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Outcome report

Hitachi Young Leaders Initiative 2019

Singapore, 9 – 12 July 2019

Digital Transformation for a Sustainable Future

About HYLI

The Hitachi Young Leaders Initiative (HYLI) is Hitachi's way of fulfilling its commitment to society, particularly helping build future generations through innovative education. This community relations program seeks to identify and nurture potential Asian leaders among the best and brightest students in Asia, bringing them together to discuss regional and global issues with influential government officials, prominent business leaders, academics, and NGO representatives.

Key objectives of HYLI are:

- Further develop the student delegate's perception and understanding of regional and global issues that impact society
- Encourage Asian solidarity among potential young leaders by addressing regional challenges together
- Promote cross-cultural understanding through education, common activities and shared experiences
- Create a platform for the exchange of views from different perspectives
- Provide a network for potential future Asian leaders

Since its inauguration in Singapore in 1996, HYLI consistently provides youth leader participants with a unique platform where they can broaden their perception, understanding, and perspectives while promoting Asian values and sharing cross-cultural experiences with other delegates.

HYLI is participated by countries across Asia namely Indonesia, Malaysia, Japan, the Philippines, Singapore, Thailand, Vietnam from the 8th HYLI (2007) and Myanmar from the 13th HYLI (2015). Each country is represented by four university student delegates who are carefully selected as recipients of this unique program. Prior to selection, each candidate is required to meet certain criteria. They have to be currently studying as an undergraduate or graduate student in a college or university. They must be fluent in English, have a keen interest in regional and global affairs, and possess strong leadership abilities as well as good track record in academic excellence and extra-curricular activities or community work.

For more information on HYLI, please visit our HYLI website and follow our HYLI Facebook page.

HYLI WEBSITE

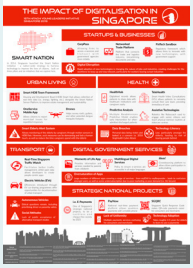
HYLI FACEBOOK

HYLI 2019 Student Delegates' Learning Journey

The 15th edition of HYLI 2019 was designed to further develop the student participants' perception and understanding of how digital transformation can help realize a sustainable society and improve the quality of life in the region.

Pre-HYLI

From May
to June 2019



- Identify material challenges in the areas of (1) Youth Opportunities; (2) Living Environment; (3) Well-Being; and (4) Mobility in their represented country through mainly primary research.
- Create an Infographic on the Positive and Negative Aspects of Digitalization in their Country through mainly secondary research

Day 1

9 July

- Understand the possibilities of digital transformation in the areas of Youth Opportunities, Living Environment and Well-being.

Day 2
Day 3

10-11 July

- Feel and experience digital transformation in the area of Mobility
- Discuss, deepen and pitch their idea with fellow delegates in teams focusing each on one of the four areas

Day 4

12 July

- Present their perspectives in teams to an esteemed Advisory panel and receive feedback on how digital technology can address societal issues in ASEAN and how youth can play an important role in the four areas
- Present their commitment to contributing society

Executive Summary

The Fourth Industrial Revolution is fundamentally transforming the way Asia develops, especially Southeast Asia where internet economic growth is projected to triple in 2025 to $200 billion. While these countries have been urbanizing at an exponential rate, their efforts to develop in line with the United Nations 2030 Agenda for Sustainable Development are often hindered by numerous implementation hurdles and lacking infrastructure. With technological advances and regional cooperation, urgent challenges can now be tackled with solutions ranging from farm-to-home apps to blockchain-based microloans.

Youths are the vital generation of the future - they will have to be adaptable and take the lead to transform disruptions into opportunities through innovations. The establishment of HYLI aims to identify and nurture potential Asian leaders amongst the best and brightest students. A total of 32 student delegates from 8 different countries gathered together to share different perspectives and build on experiences to develop appropriate, inclusive and sustainable digital solutions that will transform the region's development around HYLI 2019's theme **"Digital Transformation for a Sustainable Future."**

Throughout the program, the student delegates had the opportunity to embark on field visits to Singapore City Gallery, SG Mobility Gallery and Deloitte's Future of Mobility Solution Centre. At the Singapore City Gallery, the students were able to gain deeper insights to Singapore's development over the years. The SG Mobility Gallery, on the other hand, provided the students with the national vision on the future of mobility through a series of interactive exhibitions. Lastly, the workshop conducted at Deloitte allowed the students to better understand the changes in mobility brought by technological advancements.

This year's program was graced by prominent guests such as Minister Iswaran, H.E. Jun Yamazaki and Mr. Toshiaki Higashihara, who kicked off HYLI 2019. In addition, the program was also lined up with three plenary sessions, with each panel focusing on different topics, namely Youth Opportunities, Living Environment and Well-Being. The speakers invited were able to share their knowledge and expertise to the discussions on building a sustainable future through digitalization. The student delegates also had the opportunity to post questions, interact and discuss regional and global issues with influential government officials, prominent business leaders, academics, and NGO representatives.

On the final day, the four student groups presented a plethora of digital solutions around four sub-themes: Youth Opportunities, Living Environment, Well-Being and Mobility. They showcased their critical analysis and creativity skills by distilling the knowledge and insights gained from the panels and field trips into cutting-edge and innovative projects that took advantage of existing and future technologies. The esteemed advisory panel gave thought-provoking feedback on the presentations by sharing their rich experience and in-depth knowledge. Audience members were also given the opportunity to engage with the students through the Q&A forum on the HYLI App.

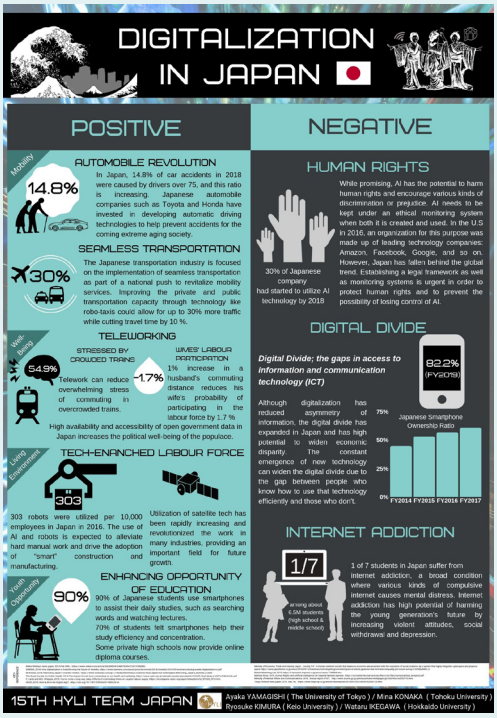
To conclude the program, a cultural night was held on the final day where the students presented their cultural performance and shared knowledge of their heritage while celebrating their successful completion of the program. Through HYLI 2019, the student delegates are now empowered and equipped with the knowledge and confidence to continue to inspire others and be the leaders of the future, shaping the world into a better place.

HYLI 2019 Student Delegates' Learning Journey

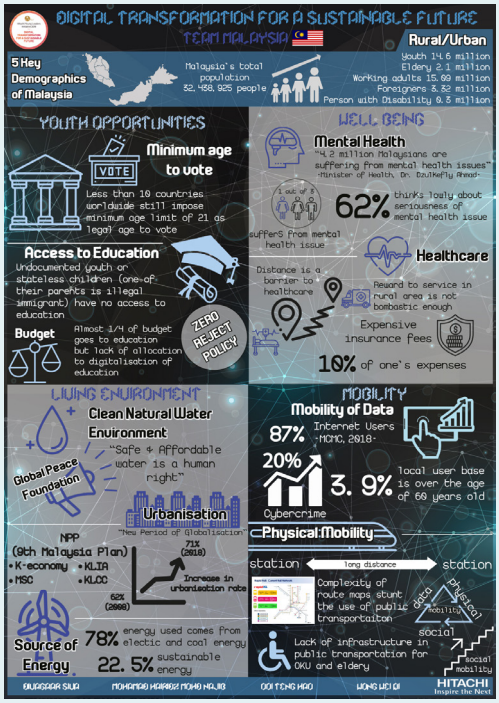
Student delegates studied the impacts of Digitalization on their respective countries. Through infographics, a total of eight countries are presented in this section, namely Indonesia, Japan, Malaysia, Myanmar, Philippines, Singapore, Thailand and Vietnam.

Indonesia

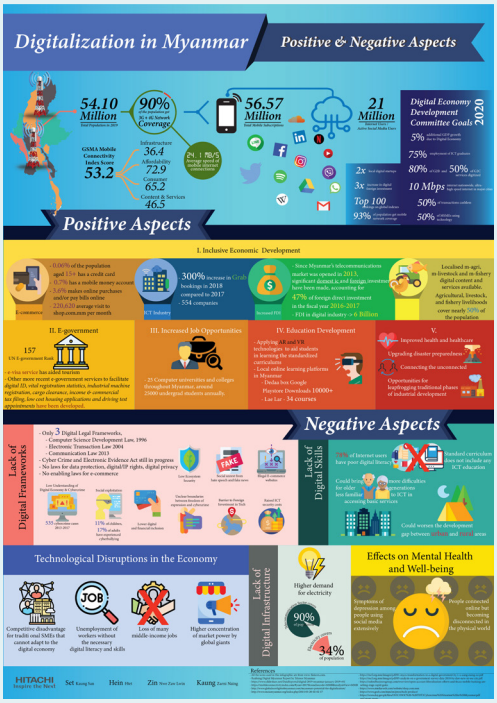
Japan



Malaysia



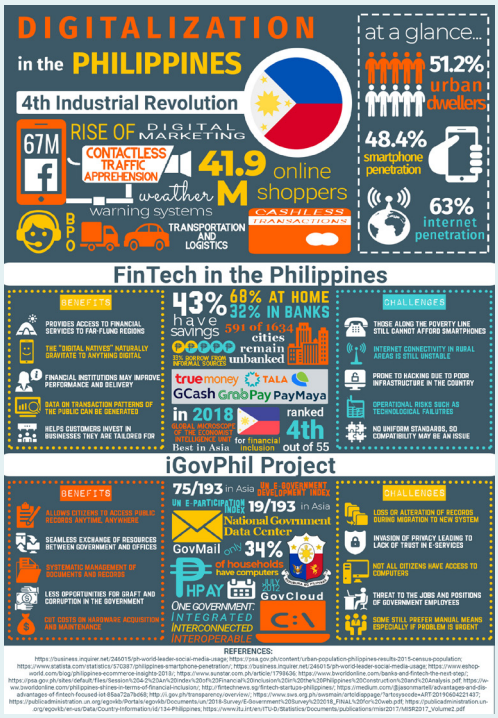
Myanmar



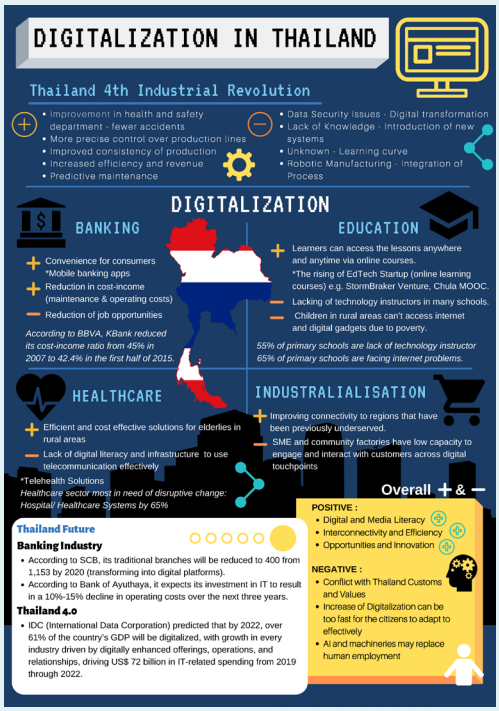
Enlarged versions of the infographics are available on our HYLI website

HYLI WEBSITE

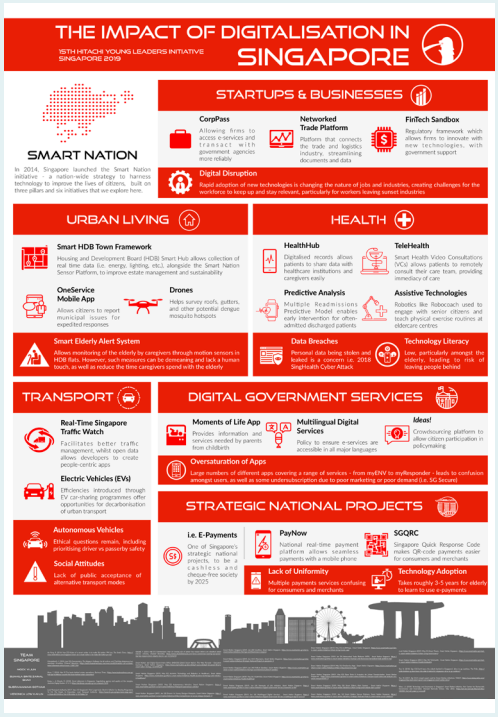
Philippines



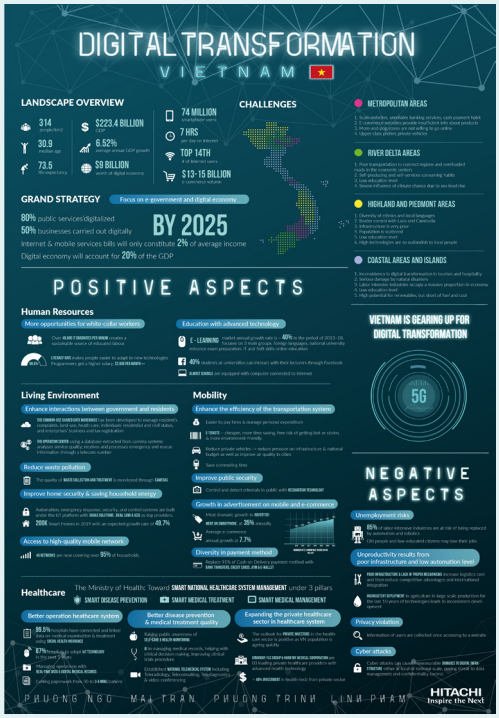
Thailand



Singapore



Vietnam



Opening Messages

Mr. Toshiaki Higashihara
President and CEO, Hitachi, Ltd.

On the 15th successful run, Mr. Higashihara expressed his delight to be back in Singapore hosting HYLI, where the program was first launched in 1996. Warmly welcoming the distinguished guests, speakers, student delegates and audiences present, Mr. Higashihara kicked off HYLI 2019 on a positive note.

Delving deeper into the purpose of this year's theme titled "Digital Transformation for a Sustainable Future," Mr. Higashihara explained that in today's world, various factors such as urbanization, aging, climate change, resource shortages and more are affecting human lives. However, with the rapid advancement of digital technologies and innovations, such factors can be alleviated. Divided into four sub-themes, Mr. Higashihara believes that the student delegates will be able to explore how societal transformation for a more sustainable future can be influenced by digital technologies.

Earlier this year in May, Hitachi released its 2021 Mid-term Management Plan where its focal points are creating social, environmental, and economic values, and also contributing to the achievement of the United Nations' Sustainable Development Goals (SDG). As a company that encompasses operational technology, information technology and products, Mr. Higashihara highlighted Hitachi's unique position and how it aims to improve and contribute to society through the development of superior technologies and products.

Mr. Higashihara ended his opening message by challenging the student delegates to stay hungry for knowledge and continue to strive to improve the world.

H.E. Jun Yamazaki
Ambassador of Japan to Singapore

HYLI 2019 was also graced by H.E. Jun Yamazaki, where he delivered the opening message, conveying his joy in attending the event. While economic growth in ASEAN countries are notably remarkable, Ambassador Yamazaki believes that digital transformation would be vital in further boosting the growth. Additionally, it is important to recognize the different circumstances every country faces when adopting digital technologies.

Stressing that innovation is necessary for a sustainable future, Ambassador Yamazaki explained that with many ASEAN member states as well as Japan facing issues such as an aging population and declining birth-rate, efforts to come up with innovative solutions have to be coherent and implemented to create a hopeful future for the next generation.

Ambassador Yamazaki also shared his knowledge on the recent G20 Summit Meeting that occurred in Osaka in June, stating that Japan's Prime Minister Shinzo Abe proposed "Data Free Flow with Trust", a new initiative to provide political impetus to formulate new rules on digital economy that promotes free flow of data while ensuring its reliability and security. He added that with trustable free flow of data, international collaboration would be lightened and made easier.

Ambassador Yamazaki closed his speech by expressing his gratitude towards Hitachi's efforts and encouraged the student delegates to make use of this opportunity to gain fruitful experiences.

Guest of Honor Address

Visit our HYLI Facebook page for full video of the speech

HYLI FACEBOOK

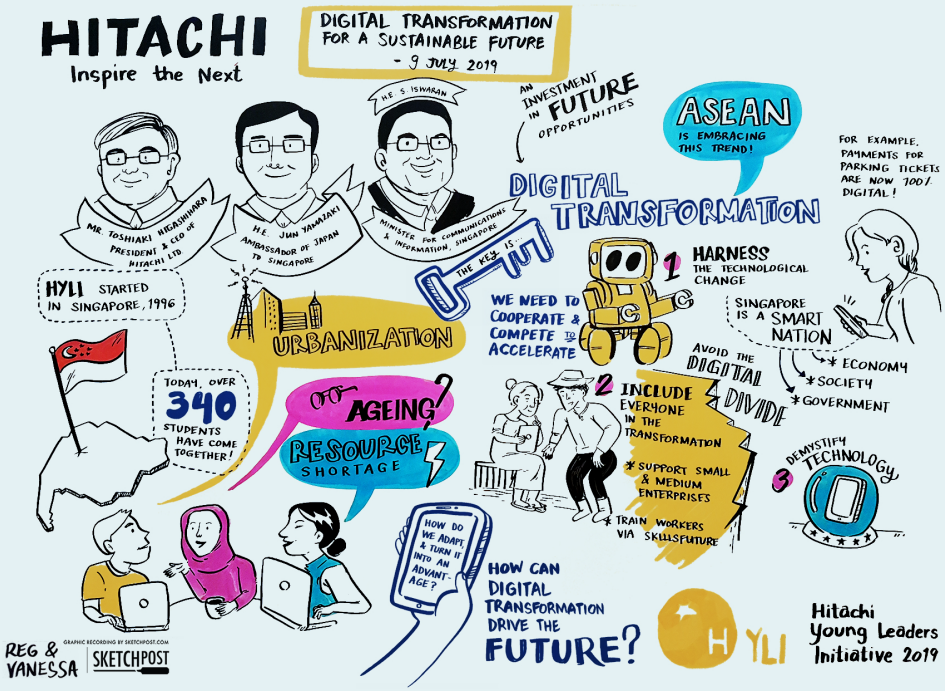
Mr. S Iswaran
Minister for Communications and Information, Singapore

As the guest of honor for HYLI 2019, Mr. Iswaran began by acknowledging Hitachi's efforts in its successful run of HYLI as well as its efforts in improving corporate social responsibility through nurturing young leaders from around the region. With global issues being cross-cutting in nature, Mr. Iswaran brought up the importance of working together across regions to learn from one another's practices to solve them.

As young leaders, the delegates from HYLI 2019 should not only think about the pressing issues that are currently occurring, but future problems and trends as well. Digitalization is one of the most profound trends in today's world as it utilizes data, computers, automated machines, Artificial Intelligence (AI) and more to impact businesses and jobs.

Mr. Iswaran also touched on the impact of digitalization and how it is a driving force for many industries. He stressed for everyone to focus on adapting to technological trends and turning them into an advantage rather than to go against them.

Closing his speech, Mr. Iswaran summed up by prompting the student delegates to think about how they can harness technological changes well, manage its risk appropriately, and ensure societal inclusivity.



Keynote Speech

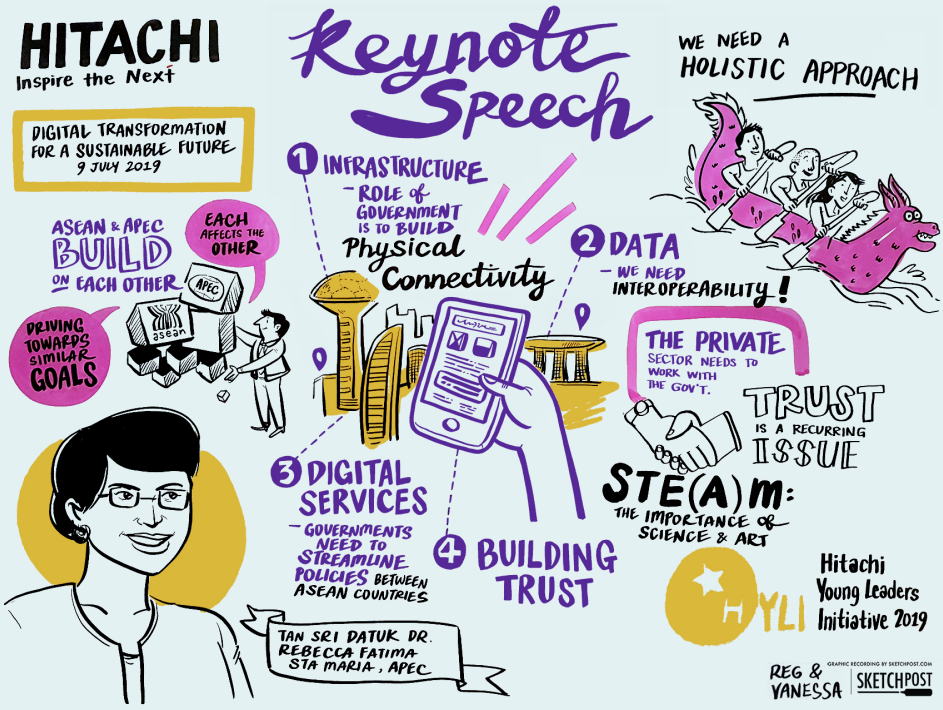
Tan Sri Datuk Dr. Rebecca Fatima Sta Maria
Executive Director,
The Asia- Pacific Economic Cooperation (APEC) Secretariat

HYLI 2019 was also graced by Dr. Santa Maria, an avid supporter of HYLI through her past contributions as a speaker as well as a chairperson of the student selection panel in Malaysia. In her keynote speech, Dr. Santa Maria focused on two broad topics, which are the opportunities and risks from digital transformation.

She started by introducing ASEAN and APEC efforts in the field of digitalization where the two organizations have published several frameworks that help deepen the work of E-commerce and improve the integration of E-commerce into the economy. When sharing her analysis on the opportunities and risks of digital transformation, Dr. Santa Maria focused on three different sections, (1) government (2) private sector (3) individuals in the digital sphere. She also pointed out visible gaps that need to be addressed in order to further expand the ASEAN economy, provide more opportunities for citizens and allow growth for small and medium sized enterprises.

With the increase in technology penetration rates, governments across the region need to be able to allow users to seamlessly adapt to the digital landscape of different economies. This includes ensuring coherent government regulation between economies as well as enhancing technological infrastructure. The importance of partnerships between the private sector and the government was also highlighted. Lastly, Dr. Santa Maria discussed the role of individuals in this digital landscape. While the digital sphere calls upon us to understand digital technology, it is critical to not obsess over the hard aspects of technology, but instead how individuals are using technology in terms of social aspects.

She rounded her speech by sharing that it is the key to take on a holistic approach and leverage on each other's strengths in meeting the challenges and taking advantage of the opportunities that come with the digital world.



AI and Happiness

Visit our HYLI Facebook page for full video of the speech

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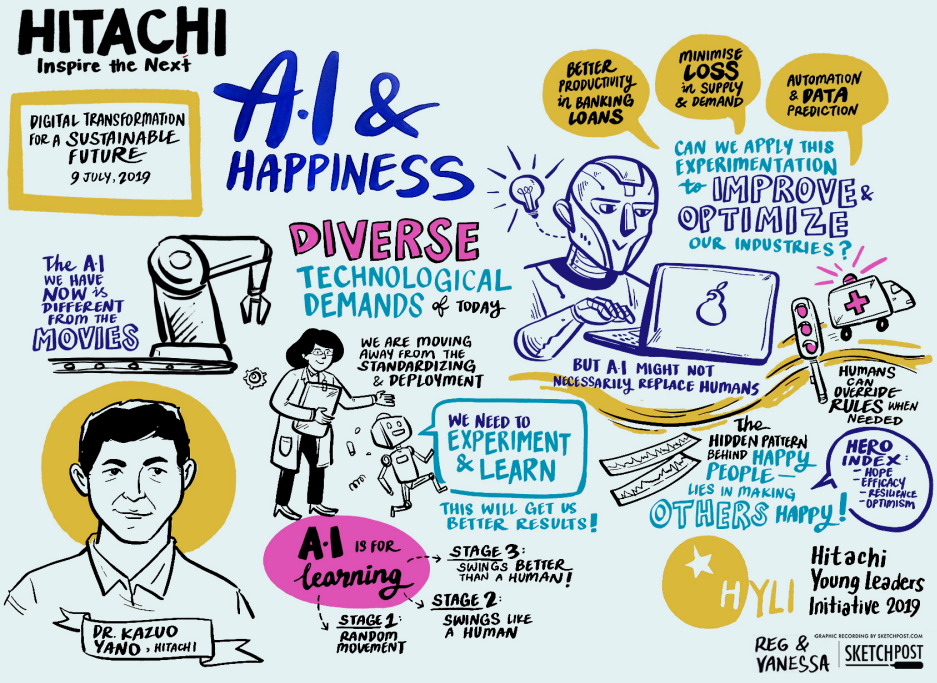
Dr. Kazuo Yano
Corporate Officer and Fellow,
Hitachi, Ltd.

On the topic of Happiness and AI, Dr. Yano shared his experience and insights on the happiness monitor he pioneered, which is able to capture data and provide analytical insights on workers' happiness.

Kicking off his sharing, Dr. Yano highlighted the importance of understanding the need and usage for AI. AI has developed tremendously through the years - where processes such as washing dishes and doing the laundry are now replaced with machines. It has without a doubt provided a better quality of life for many around the world. As the world evolved to its current complexity, Dr. Yano placed emphasis on the need for experiments through technology to better understand it.

Over the last 13 years, Dr. Yano and his team have collected a variety of data from organizations and individuals to help determine and quantify happiness. While the quantifying of happiness is generally regarded as impossible, they discovered a uniformed pattern in the physiological behavior of those that are happy. Technological advancements have also helped pave the way for businesses to incorporate AI into their workflow to help enhance business efficiency. Dr. Yano brought up statistics from different industries, detailing on the benefits that AI brought about. For instance, "Happiness Planet," a smartphone app powered by AI, can help monitor employees' level of happiness and performance. The app also serves as a platform for employees to find out better how to improve their happiness levels as well as fellow teammates'. Dr. Yano stated that AI can not only help improve the level of efficiency of employees, but also provide insights such as employee positioning in retail stores.

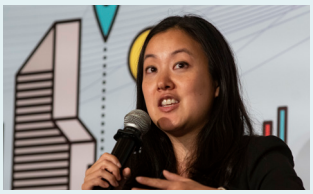
Encapsulating his sharing, Dr. Yano mentioned that those who make others happy would not only be happy themselves, but productive as well. He believes that AI helps release us from standardized rules, allowing unceasing experiments for learning limitless new possibilities.



Highlights from Plenary Discussions

Plenary Session I:

Digital Transformation for a Sustainable Future: Youth Opportunities in Asia



- **Dr. Angel Hsu**
  Assistant Professor of Social Sciences, Yale-NUS College

- **Ms. Herry Cho**
  Head of Sustainable Finance Asia Pacific, ING

- **Mr. Christopher Gordon**
  National Youth Council Member, Chairperson of Eurasian Association Youth Committee

- *Moderated by*
  Ms. Juliana Lim
  Head, Talent Networking, SGInnovate

This session identified opportunities where youth can take advantage of digital tools emerging in recent years to address socio-economic and development challenges in Southeast Asia. Through panel interactions, the speakers envisioned what a sustainable future will look like and how technology can empower the future generation to lead this transformation. The plenary focused on two broad points: climate change and the future of work.

Global warming has reached one degree Celsius above pre-industrial levels and with the Paris Agreement aiming to limit temperature rise to be below 1.5 degrees Celsius, it is evident that there is an increased urgency of the problem. With climate change as a backdrop, Dr. Angel Hsu emphasized that no change is too small and a reduction in a single individual's carbon footprint can make a great impact. She encouraged youths to push for a call to action in their organizations, universities and government.

Similarly, Ms. Herry Cho stressed that the only way to curb the rise in temperature is to ensure that actions happen at scale through integration of existing systems and infrastructure. She also emphasized that such actions can only be accomplished with clarity and understanding of data lineage, where the data originated.

The plenary then delved into the future of work where, given the rate of technological advancements, youths need to be certain that they are able to think algorithmically and possess knowledge in data analytics, quantitative analysis and reasoning to thrive in the digital economy.

To ensure that youths are geared with the necessary skills needed, significant changes have to be made to education systems. Universities have to direct their focus on familiarizing students with quantitative tools, provide platforms for students to find their interest and provide an environment that allows them to explore new areas of interest. Dr. Hsu believes that through incorporation of technologies and analytics, students will then be better prepared for the increasingly digitized and data-driven ecosystem.

With increasing complexity in integrating sustainable development and innovation, Ms. Cho encouraged youths to stay curious and search for something that ignites their passion. In addition, she urged youths to learn the language of sustainable development as well as the language of innovation as the world will be driven by these mega themes.

From a business perspective on the future of work, Ms. Cho mentioned that the business landscape is changing at a rapid pace and evolution in performance measures has been observed. New performance measures have been developed and are in place to encourage employees to be creative and stretch their potential to improve their productivity and efficiency.

Changes are not only observed in such matrices, but as the world develops, youth expectations and aspirations are transformed. Youths are now more inclined to join organizations that provide dynamic jobs in an engaging environment where they can realize their aspirations and passion. Upon discovering their passion, youths

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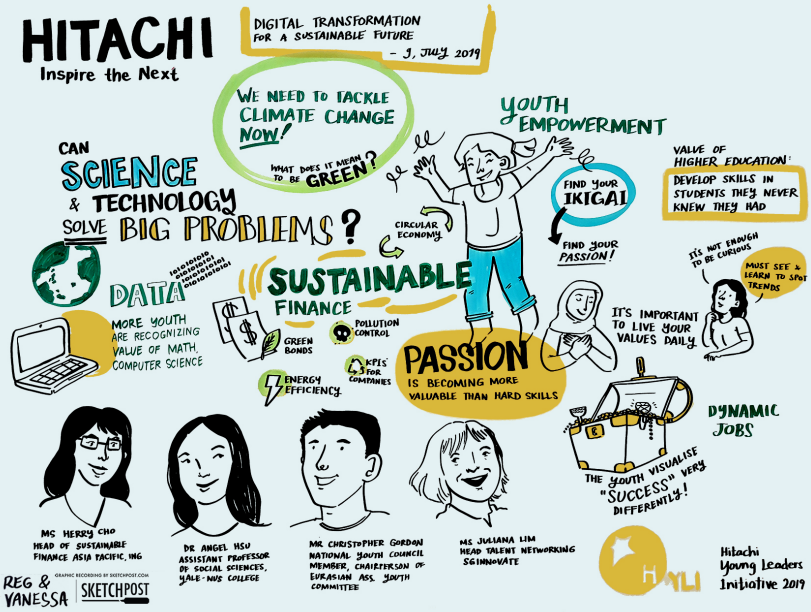


can identify the skills needed to pursue it. With the development of digital learning, it allows for greater power and flexibility in the ways and avenues the youth can learn.

Mr. Christopher Gordon stressed that youths should not neglect the importance of the emotional quotient aspect of preparing for the future workforce. Despite technology being able to connect people, social isolation amongst the youth is on the rise. He encouraged youths to interact with a diverse group of people as the best ideas surface at the boundaries of various fields.

Q&A Session

Kicking off the Q&A Session, Ms. Juliana Lim posted a question to her fellow panelist, "There has been an increase in active engagement from the youth in sustainable development. However, what happens when the fight for sustainability becomes counterproductive?" Ms. Cho highlighted the importance of understanding the topic put forth. She further elaborated that without complete understanding, one will not be able to present coherent ideas. She continued stressing that ideas proposed should be tested out by peers and harmonized with other initiatives to ensure that the proposal is credible and maximizes positive impact.

Touching on the point of values, Mr. Gordon mentioned the importance of considering the perspectives of others and analyzing the situation surrounding the initiatives proposed before due to the impacts they have on different stakeholders.

With reference to the youth climate strikes in Sweden, Dr. Hsu further elaborated on Mr. Gordon's statement stating the importance of understanding the value system at the same time embodying the spirit and energy to empower change. She called for youths to think creatively and to take a different approach when campaigning for change in their society.

On the question of "It is important that the education sector raise awareness of global environment and to produce human capital needed to address global issues such as climate change. However, in cases when the public sector is unable to produce the human capital needed, should we then consider the need to privatize education and let the free market dictate the education system?" Mr. Gordon states that the public education system should be able to provide a comprehensive set of skills to prepare current and future workforce for the needs of the current economy. In addition, he mentioned the importance of the role of public education in the area of continuing education and training to ensure a seamless transition to new jobs. At the same time, he noted the significance of private educators to courses for niche skills.

Adding on to Mr. Gordon's point on the role of public education and its importance, Ms. Lim mentioned that only with good public education can the income disparity decreases. She further elaborated that public education gives everyone, regardless of income backgrounds, access to education.

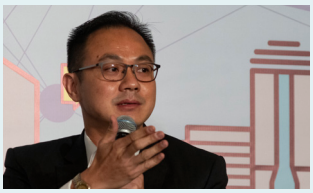
"Excluding STEM, what kind of skills or knowledge should youths possess or gain to be better prepared for the future workforce?" In this data and technology driven world, it is increasingly important for youths to be comfortable with STEM subjects. Dr. Hsu mentioned that youths should find comfort in uncertainty and should not be afraid of challenges. She encouraged youths to keep an open mind when entering a situation in which they are uncomfortable with. To conclude the session, Dr. Hsu gave two important advice to the youths - learn to face challenges head on and be courageous.

Highlights from Plenary Discussions

Plenary Session II:
Digital Transformation in Living Environment

- **Ms. Cindy Lim**
  Managing Director, Keppel Urban Solutions

- **Mr. Thomas Abell**
  Advisor of Sustainable Development and Climate Change Department, and Chief of Digital Technology for Development, Asian Development Bank



- **Mr. Poon King Wang**
  Director, Lee Kuan Yew Centre for Innovative Cities Singapore University of Technology and DesignAssociation Youth Committee

- *Moderated by*
  Mr. Charles Ross
  Editorial Director,
  The Economist Intelligence Unit

Increased level of pollution in cities due to rapid urbanization has been a growing concern over the years. With many cities such as Singapore transitioning to become a smart city, the panel highlighted various challenges faced along the way and the numerous initiatives implemented. Discussions on how technology is changing the way people interact, design and construct the world were also covered.

The plenary first delved into the topic of overpopulation, where Mr. Charles Ross talked about how rapid urbanization coupled with population growth is changing the landscape of human settlement, creating significant risks on living conditions and environment. Building on Mr. Ross's point, Ms. Cindy Lim further elaborated on how a smart city should not only focus on its vibrancy and sustainability, but the livability of the city in which case the top priority should be its safety and security.

Additionally, environmental preservation plays a huge part in the livability of smart cities. Digital transformation for a sustainable future should not only be orientated around building better infrastructures or digital tools but should also involve the betterment of wildlife. Mr. Thomas Abell concurred and further elaborated on how organizations should play a part, citing that ADB has just released an ocean-health declaration. ADE has pledged to provide financial and technical assistance to clean up water waste in the ocean, remove plastic on beaches and preserve wildlife. With a rapid increase in population projected in the future, it is even more crucial for the technologies implemented to manage wildlife and their habitats more effectively.

While Mr. Poon King Wang agreed that the transformation to a smart city is critical, he emphasized the importance of education and the available and accessible information for citizens living in the digital age. Citing the need for more smart city initiatives, 82% of citizens in Asia have yet to understand the purpose and impact of initiatives such as cashless systems and block-chain technology. It is therefore crucial for leaders of today and tomorrow to be able to ensure that every citizen has access to such information and understands the importance of digital transformation.

Interactions and engagements between different business sectors are pivotal in building a smart city together. While it may be tough, Mr. Poon shared that initiatives such as HYLI do act as a platform for citizens of different backgrounds, industries and ages to come together to share their thoughts.

Visit our HYLI Facebook page for full video of the panel discussion

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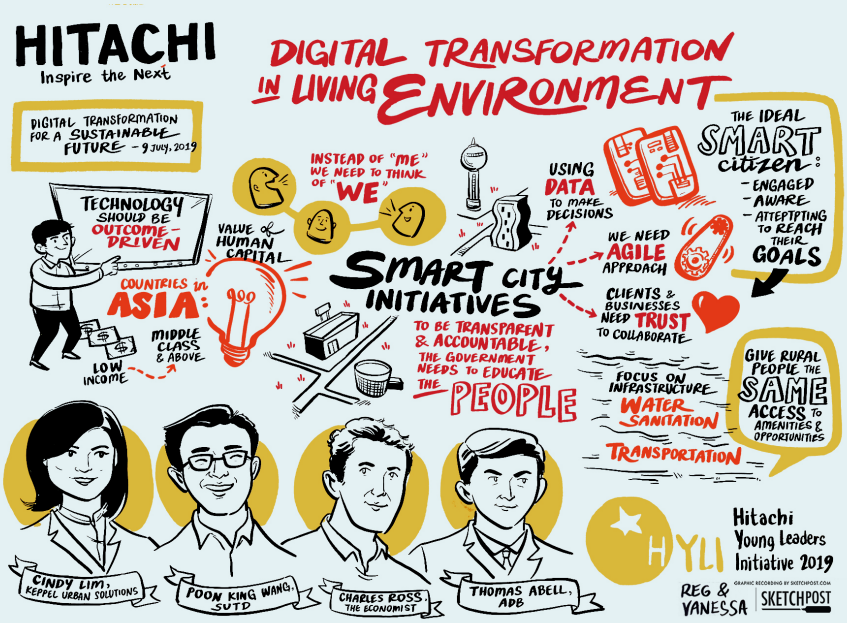
Q&A Session

Continuing on the topic of Digital Transformation for a Sustainable Future: Living Environment, the panel proceeded to the Q&A Session where Mr. Abell responded to the following question: "Across Asia, what/where are the general pain-points at when developing a smart city?" Mr. Abell elaborated that the pain-points faced by each city is vastly different due to the different political environment, infrastructure and hence, cannot be generalized. Cities or organizations, however, can learn from one another and transfer that knowledge across.

"With technologically advanced cities like Singapore in Asia moving towards a smart-city faster than others, how do we ensure other Asia countries that have yet to even have access to clean water move towards smart-city? Are there any solution/ initiatives that are currently ongoing to help these cities?" Responding to that, Mr. Abell shared his thoughts on the question posted - agreeing that water sanitation and ample amount of energy is fundamental and critical. Technological tools have been making a tremendous impact on water sanitation with solutions, such as water conservation, renewable water and desalination technology, implemented to ensure that clean water remains an inalienable right to citizens.

Ms. Lim further added her thoughts from the perspective of Keppel as an organization, sharing that Keppel is currently building the world's first dual-intake water treatment plant. The desalination plant can draw up to 30 million gallons of both freshwater and seawater daily, turning it into clean water. Additionally, to work with the limited amount of land space Singapore has, the desalination plant is set to be constructed underground, with the above-ground level of the plant constructed like a park. Ms. Lim stressed that through the use of appropriate technology and design, a utility compound like a water plant can be flexible and multi-purpose.

"What qualities make up a smart citizen? How do we help to build or enrich more citizens to become smart citizens?" From the panel, Mr. Ross first shared on the fundamental qualities a smart citizen should embrace. He mentioned that a smart citizen should be one that is consistently engaged with his/her communities, sharing their opinions and providing input on how they can transform the future into a sustainable one. He also added that they should be well aware of the environment and society in which they are living and operating in.

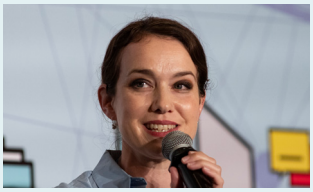


Sharing his view from an academic standpoint, Mr. Poon commented on how different each citizen is, and how each quality of a smart citizen varies. He further elaborated, explaining that a smart citizen should be one who is fully aware and comfortable with digital tools, and knows how to make use of them to achieve their goals in the most optimal way possible.

Highlights from Plenary Discussions

Plenary Session III:

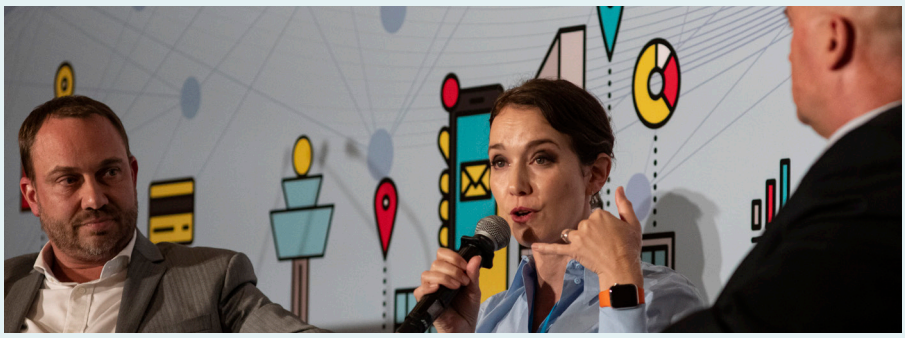
Digital Transformation in Well-Being



- **Ms. Tamsin Greulich-Smith**
  Chief, Smart Health Leadership Centre, National University of Singapore

- **Mr. Theo Scherman**
  Chief Strategy Officer, APAC, Hitachi Asia Ltd

- **Mr. Guillaume Sachet**
  Partner, Digital Strategy, KPMG



A growing and aging population, the rising prominence of non-communicable and chronic diseases, and changing environmental quality are some of the recent healthcare challenges in the ASEAN region. The panel moderated by Mr. Guillaume Sachet kicked-off with his sharing on the changes in Singapore's population over the years, highlighting the importance of technological advancements in healthcare.

Beyond digital healthcare progress, a major game changer to the healthcare and well-being industry is internet access and connectivity. Representing the region with the highest internet users globally, Asia constitutes 49% of the world's internet users. This allows for healthcare to move beyond the hospital or clinic walls. Increased connectivity can lead to the creation of new consumers – supplier networks, seamlessly delivering healthcare to vulnerable groups. Rapid technological advancement has also paved the way for better diagnosis and treatment of diseases and illnesses.

While Ms. Tamsin Greulich-Smith agrees on the importance of technological advancement in the healthcare industry, it is also crucial to look beyond building more hospitals and implementing digital tools such as Artificial Intelligence (AI) Robots. Empowering communities to help and support one another to lead a healthier lifestyle and lower illnesses is key for the future. Citing a project that she recently steered, Ms. Greulich-Smith talks about how the application of AI such as Amazon Alexa, a virtual assistant, can nudge socially isolated elderlies in Singapore to become more engaged or even remind timely consumption of medications.

On the future of healthcare, Mr. Theo Scherman shared his insights on how pivotal it is for government and organizations to have a shared vision to move forward. The recent collaboration between Hitachi and Health City has allowed them to pool health research data and information management technologies together to focus on regional economic development while advancing health and social well-being. This collaboration aims to advance healthcare and social innovation by using the value of data to create a safer and smarter future for the community.

In the local context, Ms. Greulich-Smith shared on how the Singapore government is doing its part in filling in the gaps with the needy and elderly when moving towards a smart city. An example is Smart Nation, an initiative launched by the Singapore government that aims to empower citizens of all ages to make use of information technology and data to come up with new solutions. Additionally, the Info-communications Media Development Authority also provides the elderly with courses and portals on how to learn digital and mobile technology.

While advancing towards a smart city for a better and healthier future is crucial, it is also vital to ensure that no one is left behind.

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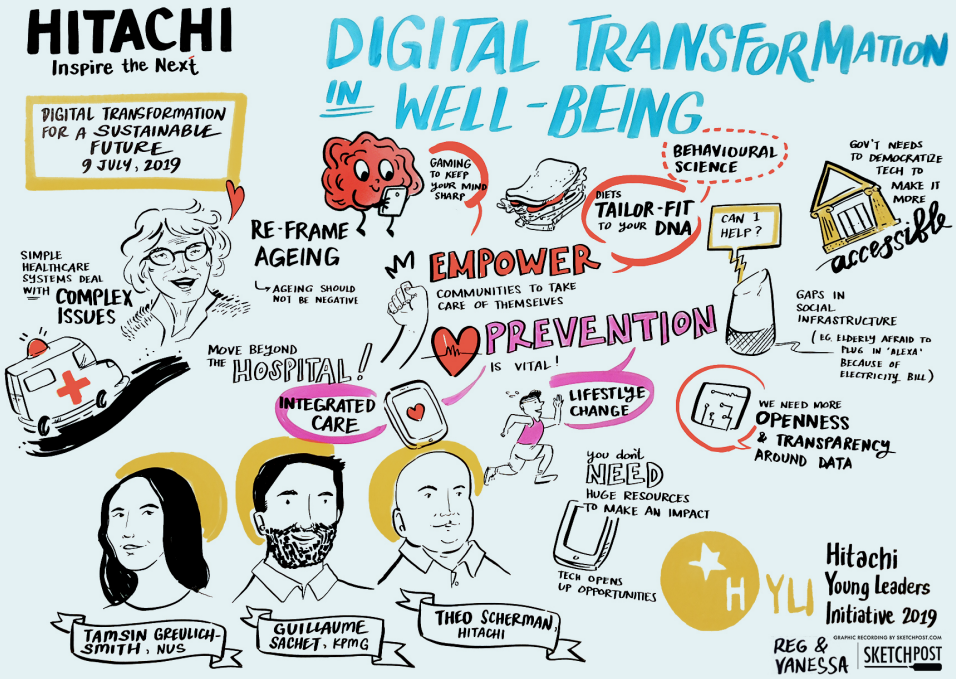
Q&A Session

Next, the panel moved into the Q&A Session where a student delegate posted the following question to the panel, "In most emerging countries especially in remote areas, they're lacking both healthcare and digital infrastructure. In your opinion, which area should the government prioritize first?" Responded by Ms. Greulich-Smith, she mentions that organizations such as Allied Health has discovered lower costs of achieving delivery of healthcare to remote areas through digital platforms. She added that a huge impactful solution is not always associated with huge investments and costs. While digital tools open up opportunities and resources, it is still fundamentally critical to uphold living standards such as proper sanitation, access to food and a safe environment to live in.

The panel proceeded to the next question, "With non-communicable diseases rising in emerging countries, how can technology impact or affect nutrients provided across other Asian countries?" Concurring to the short sharing and question posted by a Japanese student delegate on how nutrition is exceptionally crucial in the digital age, Ms. Greulich-Smith reiterated that without proper nutrition, citizens are going to fall ill and be more susceptible to diseases. On the topic of nutrition and food, Ms. Greulich-Smith cited an example from her home country, the United Kingdom, where both food wastage and food poverty are noticeably on the rise. While technology cannot solely produce or create food, it is certainly an enabler in this situation as tools are implemented to help redirect food wastage. Advancement in technology coupled with behavioral science has also provided deeper insights into how organizations and governments can better empower citizens to lead healthier lifestyles.

From an organizational stance, Mr. Scherman added on to Ms. Greulich-Smith's point, stating that Hitachi is currently working closely together with the United Nations and the Chinese government to build a city oriented around food safety, which aims to educate food suppliers in China on how to improve the quality of food.

"The term well-being is often associated with healthcare. But there are many different aspects to what's affecting someone's well-being such as mental health. Work life balance and mental health is often a topic that is being overlooked. Is it crucial to start working on it? What can be done?" Stating that it was a timely topic to be discussed, Ms. Greulich-Smith stressed that mental health is especially crucial as it correlates with how we look after our physical self. It is a topic that has an immense amount of opportunities and space to explore and one that has taken advantage of digital advancements to make significant progress. For instance, improvements in IT have paved ways for data analytics to pick up on when someone is in dire situations or struggling with their mental health. However, such digital technologies have also been a double-edged sword, with statistics pointing towards social media platforms being the downfall of some users' mental health.



With a shared vision, the panelists all agreed that while digital tools are making immense improvements, human-touch and interaction are still imperative in the healthcare industry.

Highlights from Field Activities in Singapore

Throughout the week, delegates from the eight Asian countries embarked on several field activities to gain deeper insights and knowledge associated with the main topic, Digital Transformation for a Sustainable Future.

Singapore City Gallery

The student delegates visited the Singapore City Gallery, a building that houses an enormous model replica of Singapore along with other interactive displays on the history of Singapore and its roadmap to a sustainable future. As a small city with no access to natural resources, delegates were able to gain key insights into how Singapore progressed over the past 50 years to achieve its title of 'Asia's Greenest City'.

The City Gallery also provided details on how mobility in Singapore will continue to become more convenient and accessible through three key points: Better Connectivity, Ease of Access to Amenities and Harnessing New Mobility Technologies & Business Models. The Transit Priority Corridor (TPC), an initiative that is currently ongoing in Singapore was also introduced to the delegates where they learnt more on how road lanes will be repurposed to enhance pedestrian's environment and overall travel experience. Examples of the TPC initiatives includes expanding spaces for public and active transport and creating a cleaner, quieter environment through the increased usage of autonomous vehicles that run on alternative energy.

Singapore Mobility Gallery (The Gallery)

Well-equipped with various multi-sensory exhibits, Augmented Reality (AR) set-ups and informational displays, the delegates were able to gain first-hand experience on how Singapore's Land Transport Authority (LTA) leverages on technology to plan, design and build the local transport system while balancing efficiency, livability and inclusivity for smarter urban mobility at Singapore's Mobility Gallery.

Launched in September 2018, the delegates were brought to explore Singapore's newest Mobility Gallery located at the LTA Office. Designed to be a self-guided tour, the gallery is fitted with seven technologically advanced exhibition areas with one that features a 270-degree theatre providing a panoramic view of the behind the scenes processes required to ensure the efficiency of Singapore's land transport system.

Another exhibit that delegates had a chance to interact with is the life-sized hands-free fare gate. It demonstrates how wheel-chaired commuters can enter and exit train stations in Singapore without the need to tap their fare cards. In addition, delegates were also able to catch a glimpse of the LTA's future concept bus, smart lamp posts and autonomous vehicles powered by electricity.

The visit to The Gallery concluded with the students visiting KnackStop, a provisional shop that sells creative and practical merchandise inspired by Singapore's transport system. In line with the LTA's goal on helping the disabled, all net sales proceeds will go towards helping those with mobility needs.

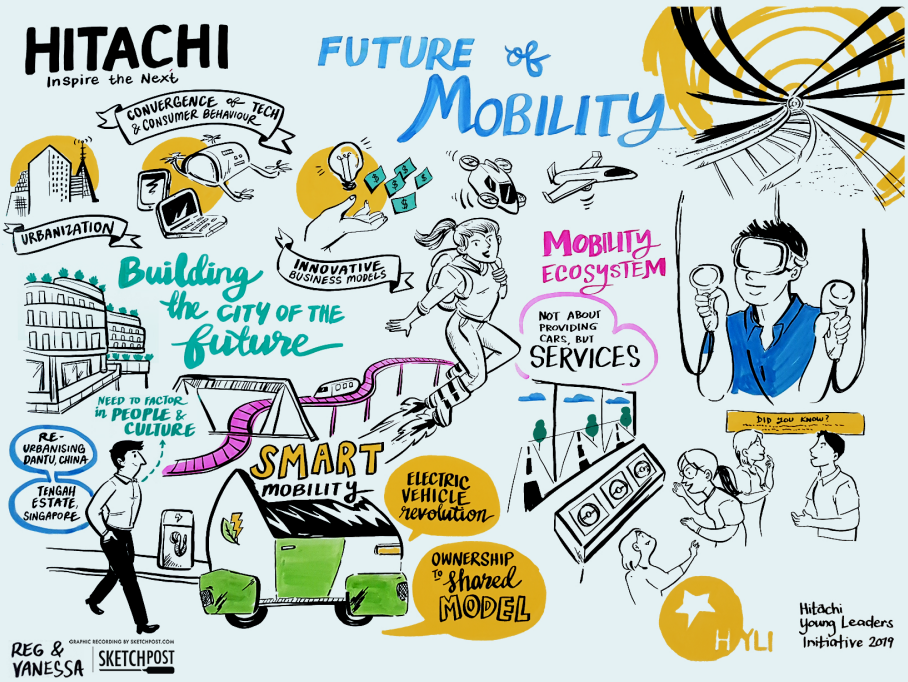
Deloitte Future of Mobility Centre

Aside from the two field-activity visits, delegates also had the opportunity to visit Deloitte's first-ever mobility center. Engaged through a series of activities and informational workshops, delegates were able to explore and understand how technologies can help shape the future of mobility in Asia.

The session first introduced the future of Singapore as a smart city with workspaces located closer to housing estates, roads being built underground and autonomous utility vehicles for waste collection and road sweeping. The vision of working towards a more sustainable urban future and mobility is supported with the increased efforts from the local government on decentralization through the introduction of co-working spaces located away from the Central Business District (CBD). As dense urban areas are often confronted with challenges ranging from traffic congestion to social isolation, it is key for a city-state like Singapore to have strategies such as decentralization and building of strong communities for a more sustainable urban future.

The session also highlighted the shift in the paradigm of car ownership. With the rise of ride-sharing services being embraced by more commuters and rapid advances in autonomous vehicle developments, the mobility industry is without a doubt, evolving.

After an edifying introduction on the future of mobility, the delegates then went through an activity where they had the opportunity to walk a mile in someone else's shoes. In this activity, delegates were split up in their respective groups and tasked to take on key government official roles in the transportation industry to help plan and solve key challenges faced by different citizen profiles. Putting their heads together, delegates from each team then came up with innovative and creative solutions - from creating a new application to enhance mobility, to coming up with new transport road plan to shorten travel time.



The three field activity visits not only enriched the delegates with insightful information on how digital transformation is crucial for a sustainable future, but also inspired them to be part of the sustainability movement by taking a series of actions - from reducing food waste to reducing carbon footprints by using public transport or ride-sharing services.

Highlights of Student Delegates' Presentations

ADVISORY PANEL

- *Lead Advisor:*
  Ambassador Ong Keng Yong, Executive Deputy Chairman, RSIS Director, Institute of Defence and Strategic Studies S. Rajaratnam School of International Studies, Nanyang Technological University, Singapore
- **Mr. Choi Shing Kwok,** Director, ISEAS
- **Ms. Kay Vasey,** Chief Connecting Officer, MeshMind
- **Mr. Kosuke Horiuchi,** Managing Director, Hitachi Asia Ltd.

Youth Opportunities

STUDENT DELEGATES:

- **Ayaka Yamagishi**
  Japan
- **Jadin Zam Sales Doctolero**
  Philippines
- **Jarin Jamie Wong**
  Thailand
- **Leonardo Teo**
  Indonesia
- **Mohamad Hairidz Mohd Najib**
  Malaysia
- **Set Kaung San**
  Myanmar
- **Trinh Ho Anh Phuong**
  Vietnam
- **Veronica Low Kai Lin**
  Singapore

On the topic of youth opportunities, the group identified widening inequality to be a problem shared within and across the ASEAN nations. This was further broken down into three factors: (1) urban-rural gap, (2) lack of future planning amongst youth and (3) gender, racial and religious discrimination. With rural communities migrating in masses to overtaxed urban cities, they pointed out that it was essential that rural populations have the same access and quality of social services to halt this progression. In addition, they argued that public education in the region has failed to equip youths with the appropriate skills needed to adapt to a digitized future. Lastly, they shared that discrimination between race, religion and gender continues to be a deep-rooted societal issue.

Keeping this in mind, the students aimed to tackle 3 of the 17 United Nations' Sustainable Development Goals (3): SDG 4: Quality Education, SDG 8: Decent work and Economic growth and SDG 10: Reduced inequalities with their digital solution. At the same time, the group acknowledged that a wide range of regional internet penetration rate as well as poor digital infrastructure in certain nations can be potential limitations to any technology-driven project. Consolidating their ideas, the team came to a conclusive Point of View Statement, "Southeast Asia needs localized digitalized support system and proactive actions form the youth to address challenges on youth opportunities."

The group boldly proposed a digital education platform called "Miralah." Miralah will act as a centralized portal for youths to not only access online open courses but also be able to get learning and career guidance. Taking advantage of AI technology, the platform will be able to tailor to the pace of the youth as well as customized courses to both their and potential employer's interest so that it aligns with the needs of the regional market to boost employability of youths. They also proposed a reward points system which would be used to incentivize students to complete their courses as well as to share the platform with their network.

Creating a mobile App stimulation, they showed how Miralah will look like as well as how it will function. They also advocated on providing an offline experience for rural areas where digital tools and access are limited. With development of 'Can Gio' or Studying Centers, MinarahCentres, Miralah would act as a learning center for rural communities to access their platform and as well as learn how to use these digital tools.

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With a variety of stakeholders ranging from education companies to governments, the students showed how different sectors need to be engaged to ensure the success of the project. Emphasizing that private-public partnerships would be key, they projected that the soft launch in Vietnam would take two years to implement, especially with the numerous stakeholders involved and would expand to the rest of Southeast Asia in the following year.

From turning to a subscription model to advertisements, the team looked into different payment strategies and the specifics needed at different stages. Additionally, they outlined the implementation process of the project. From engaging private partners to build a collaborative working culture to the decision of choosing Vietnam as the country for the soft launch, the students even did a SWOT analysis to identify the strengths and weaknesses of the project.

Lastly, the group summarized the risks and implementation hurdles of the project. They focused on three main risks: (1) Legal, such as national regulations on data protection, (2) Language, which refers to multiple local languages across ASEAN and local competitors and (3) Operational, such as a way to benchmark the quality of content as well as the potential necessity of a long-term sponsor.

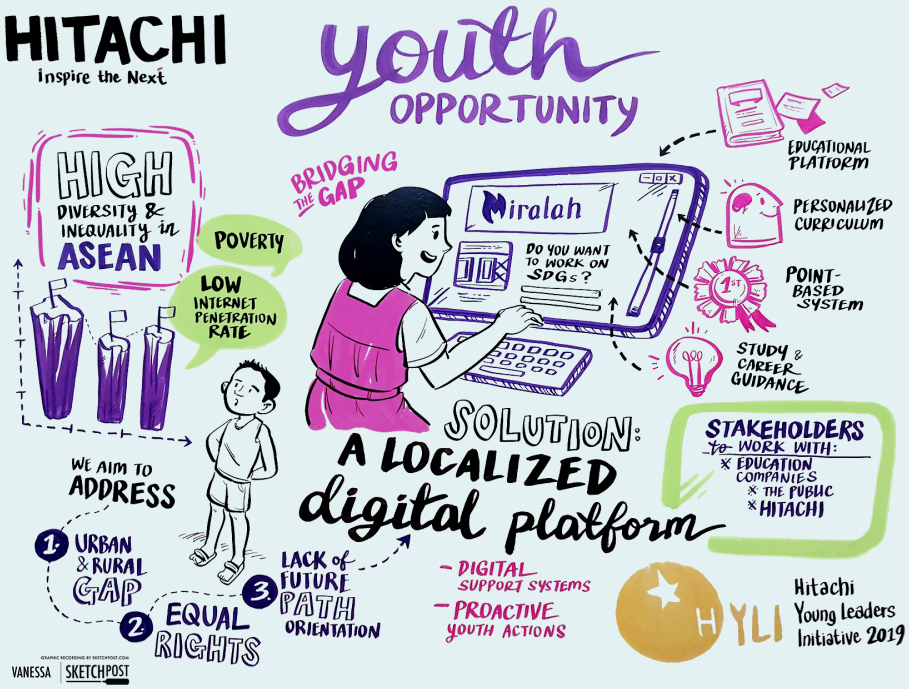
Feedback

Ambassador Ong applauded their SWOT analysis, emphasizing that getting youths on board would be their greatest hurdle. While he agreed that Vietnam would be a good starting point to test the App, he also urged students to conduct an in-depth analysis on Vietnam and focus on the local access to digital services.

Ms. Vasey first inquired on the specifics of the application, especially the integration between the offline (Study Centre) and online experience. Additionally, she also raised financial concerns on large cost required to cover the wide range of education content that would be provided, from gamified and interactive quizzes all the way to university-level modules.

Mr. Choi congratulated their hard effort and ambitious project. He commended their focus on education as it is especially pertinent in the region. However, he also reiterated the same concerns that Ms. Vasey raised, it would be better to focus their attention on a single education segment that would most benefit from the platform- for instance, the K-12 level rather than across all segments.

Mr. Horiuchi pushed the students to showcase how the platform would work or compete with existing companies and competitors in the field as well as to provide more elaboration on how the application will work on the ground.



Highlights of Student Delegates' Presentations

Living Environment

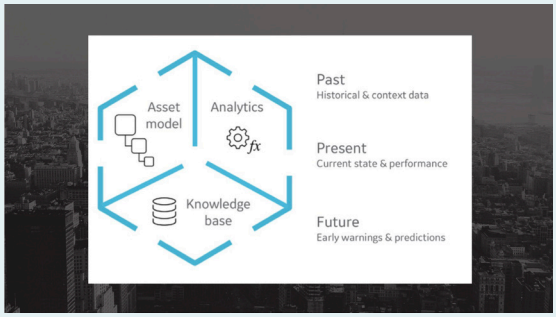
STUDENT DELEGATES:

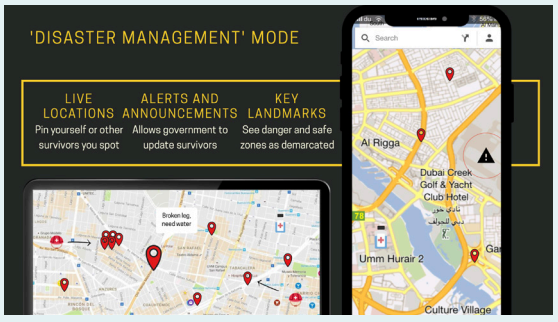
- **Angel Lisette Syson Lao** Philippines
- **Divagaar Siva** Malaysia
- **Gelasius Galvindy** Indonesia
- **Hein Htet** Myanmar
- **Mina Konaka** Japan
- **Mock Yi Jun** Singapore
- **Pham Khánh Linh** Vietnam
- **Suchanad Tangsittitum** Thailand

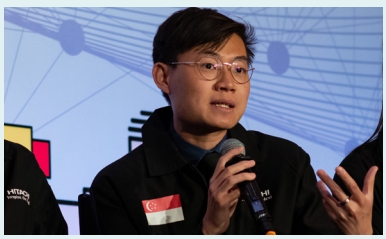
After being exposed to experts and site visits, members of the Living Environment group decided to focus on tackling two salient issues on the living environment in the ASEAN region. In recognizing the challenges of increasing urban populations and its associated issues, they targeted the provision of clean water and disaster risk management.

On clean water, the team identified that while water accessibility does not present as an issue, water quality and overpopulation could lead to a shortage of clean water in years to come. To combat this, the team conceptualized Water Intelligence Platform (WIP), a cloud-based platform as a service that connects data from physical assets to powerful analytics to provide end-to-end water solutions. The target audience for this platform are government officials, NGOs and water suppliers from across the ASEAN region.

In approaching the issue of disaster risk, the group problematized the immense vulnerability of the ASEAN community to onsets of natural hazards. From this, they developed a solution to increase disaster survivability and maximize successful rescues in the aftermath of a natural disaster. By bringing together methodologies from existing technologies such as Uber, Facebook Safety Check and GIS Hazard Mapping, the team proposed the integration of a Disaster Management Mode for these existing platforms. By tapping into these large user platforms, the team believes that this solution can help disaster victims pinpoint their locations to disaster rescue teams during the immediate onset of disasters, thus increasing survivability. This added feature can also connect policymakers, disaster rescue teams, business owners (B2C companies), and everyday individuals as a platform to mitigate disaster risk.







Through these two solutions, the team demonstrated how digitalization can play a crucial role in increasing the livability and survivability of ASEAN citizens.

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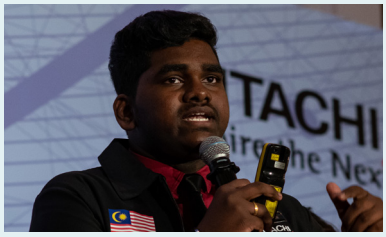
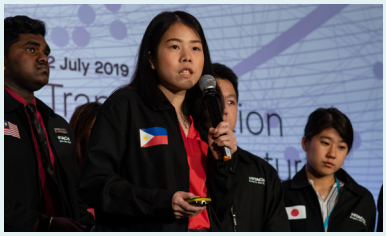




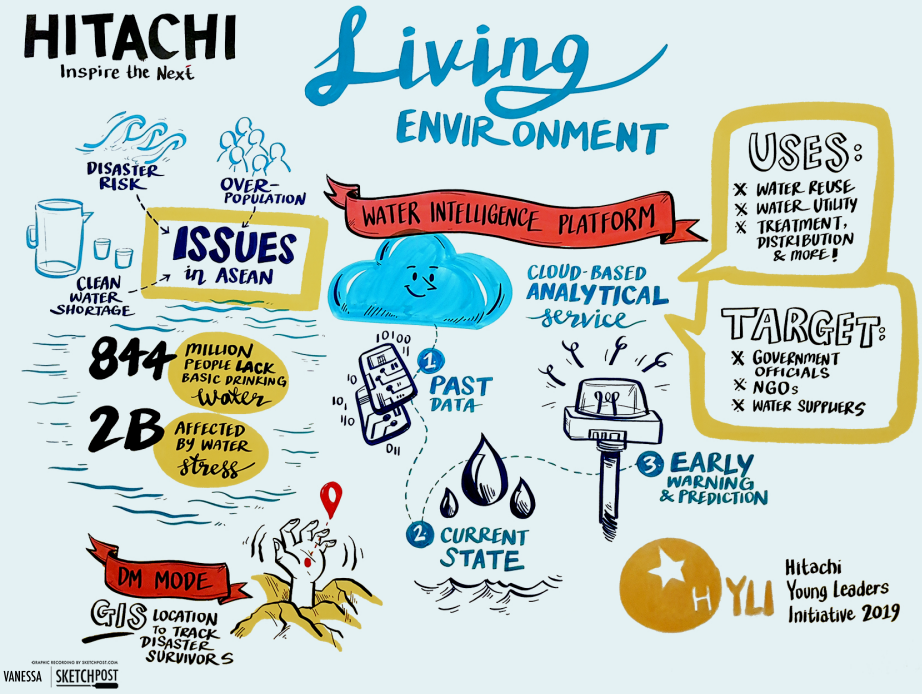
Feedback

Ms. Vasey questioned the analysis of their potential stakeholders and urged them to consider how these stakeholders are currently handling and managing their data. This would in turn affect their pitch as their platform could be presented either as a completely new technology or something that would simply integrate with existing systems. As for their disaster mitigation app, she questioned its feasibility as it might only provide survivors with false hope in the event of a crisis.

Mr. Choi commented on their WIP proposal in which he identified the more vital challenge to be the consolidation of different data rather the actual collection of them. He emphasized that this is an issue that governments have faced for years and remains difficult to resolve. Another constructive criticism he raised was on the approach both solutions took. Since governments are potential customers for both proposals, he suggested that instead of a product, they could be pushing their ideas as a regulation or mandate instead.

Ambassador Ong agreed with Mr. Choi's opinion that data collection would be a major hurdle. From his extensive experience, he shared on the difficulty of collecting reliable data and developing accurate algorithms in which insights can be derived from. In addition, he also emphasized that local government regulations need to be considered as well as whether it can be leveraged to push for public-private partnership. One example he highlighted was the recent Nepal earthquake in which drones were forbidden to be used even in rescue and disaster data collection.

Mr. Horiuchi applauded their innovative application of existing technologies. However, he raised the concern on the ownership of these products as this would affect the management of the business as well as affect data protection concerns. Secondly, he also encouraged them to identify existing technologies especially for their WIP proposal to see what is already being developed in the ASEAN region.



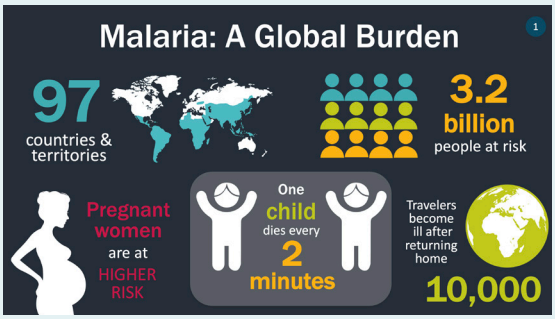
Highlights of Student Delegates' Presentations

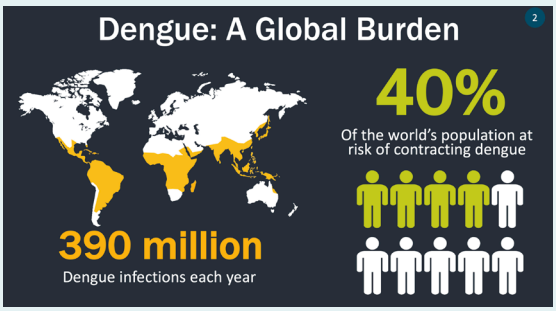
Well-being

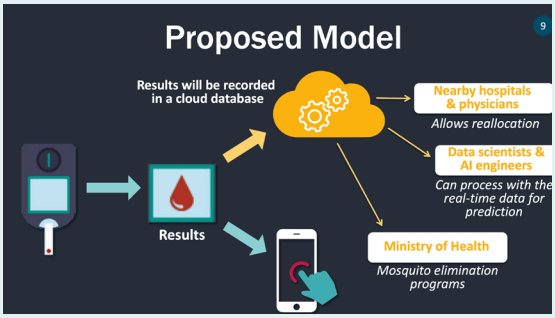
STUDENT DELEGATES:

- **Kristiana Mikaela L. Leviste**
  Philippines
- **Ooi Teng Hao**
  Malaysia
- **Ratchapol Srihong**
  Thailand
- **Subramanian Gowtham**
  Singapore
- **Tatyana A. Ibrahim**
  Indonesia
- **Tran Phuong Mai**
  Vietnam
- **Wataru Ikegaya**
  Japan
- **Zin Nwe Zaw Lwin**
  Myanmar

Buzzing the audience with the question on which is the deadliest and most dangerous animal in the world at the start of their presentation, the team of delegates from Well-being introduced the topic of dengue and malaria - elaborating that mosquitoes are considered to be one of the most dangerous animals in the world due to its ability to act as a carrier of diseases.







Orienting their solution around dengue and malaria, the group explained that while Singapore has made a declaration on being malaria-free for the past few decades, the influx of foreign talents and workforce from neighboring malaria endemic countries makes Singapore particularly vulnerable for resurgence of diseases. With an increase in outbreaks across ASEAN, the delegates highlighted the importance of treatment and prevention. On treatment of diseases, the team identified that while most patients are able to be diagnosed early and receive appropriate treatment, data gathered from them are not fully utilized.

Focused on providing the general public a cheaper, fuss-free and reliable option on diagnosing the status of their health, the team proposed a small device, similar to the concept of a pregnancy kit. Through a drop of the user's blood, the device would be able to analyze and produce results under a minute. Results will be sent via a notification to the user's phone along with information on recommended treatment, nearest hospital or future prevention tips.

Aligned with advancements in technology, the delegates mentioned that data gathered from the blood test results will be stored on the cloud and made available to hospitals to allow relocation of manpower when necessary. In addition, data gathered can also be used for research by data scientists, engineers and even the Ministry of Health to promote awareness on both diseases.

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The team made relation to SDG 3: Good Health and Well-Being stating that their solution would help tackle and aims to end malaria, neglected tropical diseases and water-borne diseases by 2030. In the long run, the team intended to provide a more comprehensive early detection device that is completely digitized while working together with partners such as Hitachi, Save the Children, the World Health Organization, BlueSense and more.

While going fully digital might be beneficial in the future, the team foresaw a potential risk of breach in personal health data, and an improved or competitively similar framework to their current solution. To conclude, the team aimed to not only raise awareness of malaria and dengue but also educate the general public on prevention tips.

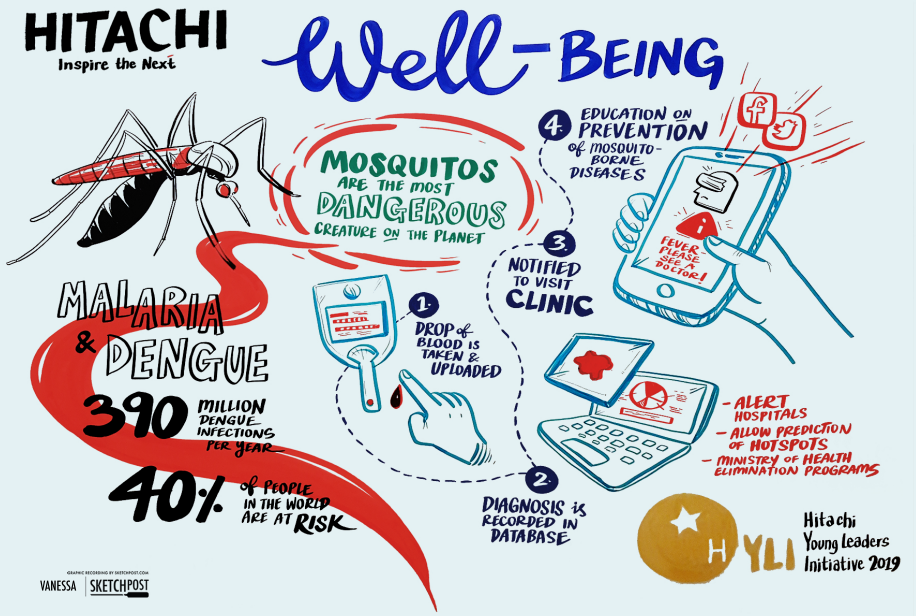
Feedback

After the group's sharing, Ms. Vasey voiced her concerns on how the device proposed can ensure an accurate diagnosis of diseases through a drop of blood. She cited a recent scandal on Elizabeth Holmes, founder of Theranos who claimed that all types of diseases and illnesses can be detected through a finger prick's worth of blood. Adding on, Ms. Vasey asked how the group intended to distribute the following device they proposed and the expected costs of it.

Ambassador Ong questioned the delegates on how they would go about ensuring that places such as community centers be clinically safe to conduct tests. In addition, how they would encourage citizens who are less aware of such diseases to take proactive action against them and the possibility of making existing machines such as Parasight and Blubox to be more affordable and accessible instead.

Mr. Choi first commended the team on their well-thought-out social innovation project and comprehensive research done on the market. He proceeded to ask the team on how they would go about managing the source of diseases (mosquitoes) and if the team has ever considered exterminating the source directly.

From a technical stance, Mr. Horiuchi asked the team on how they would go about managing a potential breach of data and how they would inform users when their data is taken for research purposes.



Highlights of Student Delegates' Presentations

Mobility

STUDENT DELEGATES:

- **Katrina A. Abenojar**
  Philippines
- **Kaung Zarni Naing**
  Myanmar
- **Muhammad Afi Ramadhan**
  Indonesia
- **Nopasorn Boonprapakorn**
  Thailand
- **Ngo Anh Phuong**
  Vietnam
- **Ryosuke Kimura**
  Japan
- **Suhaila Binte Zainal Shah**
  Singapore
- **Wong Wei Qi**
  Malaysia

The students started their presentation by highlighting the growing mobility challenges in the ASEAN region. Shortage of access to efficient and sustainable public transport, congestion as well as lack of connectivity among different transport options were raised as major pain points for commuters. Additionally, the rising population as well as rapid urbanization has only exacerbated the issue. On the other end, private vehicle ownership has also been growing rapidly, resulting in worsening traffic congestion. All these issues have contributed to urban ills like air pollution, traffic congestion, and slow urban mobility to the citizens.

Leveraging on the key digital trends in the transportation industry, the group discussed how they could be incorporated into their solutions. They considered the "first and last mile connectivity" to be a central priority for their proposed solution, in which a multimodal mobility model where seamless transportation becomes key to accessibility and convenience. Additionally, with the global public policy shift away from private vehicles to mobility solutions consumed as a service, providing consumers with digital information to better plan their trips seamlessly become essential. Lastly, with the impending deficit of fossil fuels, electric engines are likely to be a viable alternative.

Focusing on working population as their target demographic as well as keeping in mind of the digital trends, they boldly proposed two solutions.

The group first introduced MOBEGGO, an open data App which amalgamates the private and public sector to integrate all data input of various modes of transportation. As a step up from conventional and existing transport apps, MOBEGGO will be all-inclusive in terms of payment as well as transport options. Envisioning MOBEGGO to be a transport-lifestyle app, it will offer commuters the best integrated way to make their daily transport more efficient and convenient by using cutting edge technologies such as real-time data of traffic and predictive algorithms that assist in managing booking surges.

Estimating a 9-year timeline to roll out the App into Southeast Asia, they elaborated on the specifics from designing the app to initiating cross-sector collaboration. Additionally, they considered the stakeholders that would be involved in the app from the public to private sector and even did an initial research analysis on whom they would approach.

Their second proposal was EGXI, a futuristic mobility solution utilizing autonomous electric vehicles that are synchronized within an optimized ride-hailing system. As an alternate transportation option, it will enable the "first mile to last mile" concept and reduce traffic congestion. Through the use of an elevated highway, it will not only bypass road traffic, but also provide pedestrian and bike infrastructure. Powered by electricity, it would also be reducing the carbon footprint of daily commuters and offer a more environmentally friendly transport option.

Visit our HYLI Facebook page for full video of the student delegates' presentation

HYLI FACEBOOK

The team tackled multiple practical concerns and drawbacks of their projects from data protection and privacy to economic feasibility. They further reiterated that once these issues are appropriately dealt with, this would foster a sense of trust and encourage the adoption of the App. The group also considered expansion of their solution across the region but emphasized that a supportive government and the formation of private-public partnerships would be vital in ensuring the smooth implementation.

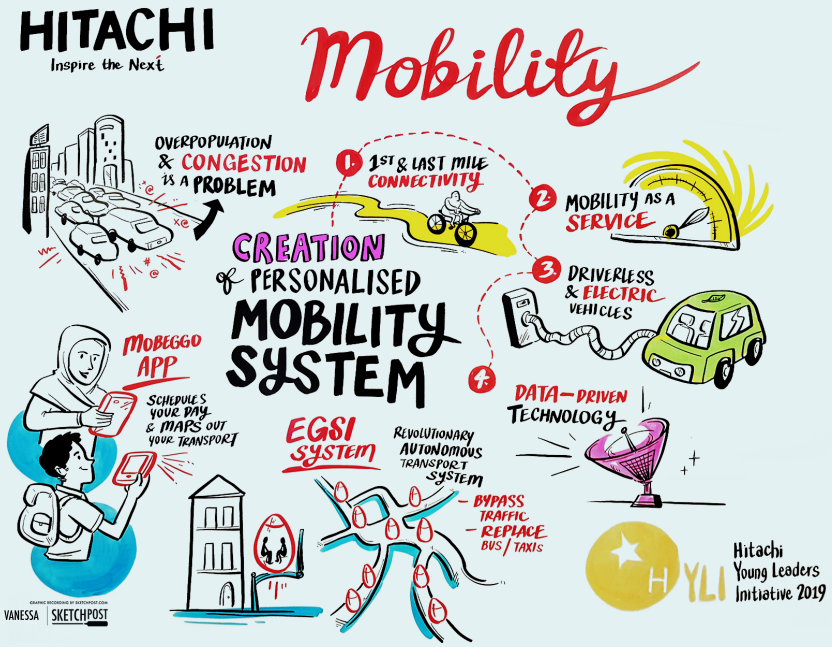
Feedback

Ms. Vasey pointed out the need for the team to reconsider their business model as they have yet to consider Google, as a major competitor for MOBEGGO. She highlighted the importance of identifying the 'sweet' spot consumers are comfortable with paying for their App versus their chosen transport provider. She also pushed them to integrate their platform with existing calendar and transport provider such as Google to reduce the hassle for commuters.

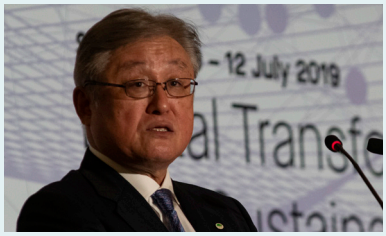
Mr. Choi congratulated the team on their analysis of the existing transportation infrastructure, providers and issues. With such an ambitious project and a long timeline of 9 years, he pushes them to reevaluate the challenges of implementing the MOBEGGO app such as the interplay between access of information and potential competitors (such as Uber, Grab and GoJek) and the difficulty in consolidating and integrating different aspects of the transport network where data protection laws will come into play. While he commends EGXI as a clever idea and a vision to work towards, he emphasizes that it is not practical or feasible for the time being.

Ambassador Ong pushed for the team to think out of the box. Instead of facilitating movement of people, he encouraged them to consider how services and products could be transported to people, which would minimize the need for urban transport.

Mr. Horiuchi inquired on whether there will be any collaboration between their two proposed solutions or if there were independent projects.



Notable Quotes from Speakers



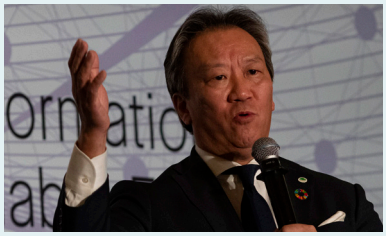
Mr. Toshiaki Higashihara
President and CEO, Hitachi, Ltd.
"Challenge yourselves, stay hungry and learn from others. The more takeaways you have, the happier we are, and the more promising our future will be. So go with all your heart."

H.E. Jun Yamazaki
Ambassador of Japan to Singapore
"Economic growth in the ASEAN countries are truly remarkable, but I believe digital transformation would be the key to further boost their economies. One thing we do need to keep in mind though, is that every country, including Japan, has its own circumstances when adopting technologies."

Minister S Iswaran
Minister for Communications and Information, Singapore
"Digitalization is a profound change affecting all aspects of our lives. Our response, and your response as young leaders, should be to think in terms of how you can harness this for good and be inclusive, so that we bring along the whole of society and the whole of the economy, to ensure the benefits of digitalization are shared across."

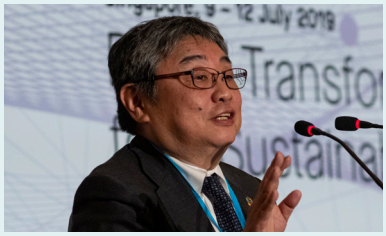
Tan Sri Datuk Dr. Rebecca Fatima Sta Maria
Executive Director, APEC Secretariat, Singapore
"At the end of the day it is not only about obsessing over the hard aspects of technology - but really about the individuals, the people that will be making use of the technology, which is as important as making use of the hard technology. The hard skills need to be balanced with the soft skills."

Dr. Kazuo Yano
Corporate Officer and Fellow, Hitachi, Ltd.
"The world is complex; we wouldn't be able to understand it without acting and learning its feedback. (...) Remember, if you can make others happy, you will be happy too."



Mr. Kojin Nakakita
Vice President and Executive Officer, Hitachi, Ltd., Chairman, Hitachi Asia Ltd. and Chairman, Hitachi India Pvt. Ltd.
"The world is getting flatter through digitalization, but if technology gets into the wrong hands it could be dangerous. I think we have a choice to make. Yes, we are promoting digitalized solutions to help human life to be better improve quality of life but on the other hand, we need to protect it. Always ask yourself what the downside is and what you can do about it."

Mr. Osamu Naito



Vice President and Executive Officer, Hitachi, Ltd.
"This program does not give you a single answer, so please think, discuss, learn and act. Whether this program is useful, meaningful, or not, it is fully up to you."

Ambassador Ong Keng Yong
Executive Deputy Chairman, RSIS, Director, Institute of Defence and Strategic Studies, S. Rajaratnam School of International Studies, Nanyang Technological University, Singapore
"Partnership is important going forward. As you complete this week together, keep in touch with one another - you may eventually form partnerships together to do something more than what you can accomplish individually in the future. Remember, you tee up your future by focusing on TEE-UP (Technology, Education, Environment, Environment, Urbanization and Partnership)"

Mr. Choi Shing Kwok
Director, ISEAS
"Choose something that really matters, not just to yourself, family or friends. But choose something that's important to the world, choose something that you can really make huge contributions to. With all the skills that you have, I'm sure you can make a big difference."

Ms. Kay Vasey
Chief Connecting Officer, MeshMind
"It is important to always have solutions orientated around humans. When you're coming up with a solution, think about its utility and how it is going to value-add to people's lives."

Mr. Kosuke Horiuchi
Managing Director, Hitachi Asia Ltd.
"Data is the most important factor for digital transformation. How we manage data, data security, AI and more is vital. (...) The event here in Singapore has allowed me to better understand situations the current world is facing"

Ms. Yukiko Araki
Corporate Officer and Executive General Manager, Sustainability Promotion Division, Hitachi, Ltd.
"Someone once said, ''No one should be left behind" - It is a core concept of the SDGs. Although technology is very important, and we need to make the best use of it, I would also like you to think about the people behind technology. I would like you to be leaders who think about everyone and be someone who can change the world where everyone feels respected and happy."

HYLI Student Delegates

Towards the finale of HYLI 2019, the student delegates collectively gather together by country and made a commitment statement on their experience from HYLI and their future plans moving forward. Indonesia

Indonesia

"When you learn something from people or from a culture, you accept it as a gift. It is then your lifelong commitment to preserve and build on it. That saying cannot be more relevant than this experience in Singapore. We are very thankful to the other delegates for providing us with such fun and heartwarming memories. Thank you to all the speakers and panelists as well, for sharing your experience, and inspiring us to go further. We pledge to share our stories and to uphold the value of giving back to people."

Gelasius Galvindy
Bandung Institute of Technology

MUHAMMAD AFI RAMADHAN
Syiah Kuala University

Leonardo
BINUS University

Tatyana Ibrahim
Sepuluh Nopember Institute of Technology (ITS)

Malaysia

"The decision we make today, is as important as tomorrows to make the world a more humanized and sustainable place. We as youths, need to spearhead and spread awareness. Representing our country, Malaysia, we pledge to leverage on our vast connection to initiate new ideas and continue to support them to turn them into reality."

Divagaar Siva
Universiti Kebangsaan Malaysia

Ooi Teng Hao
Heriot-Watt University Malaysia

Mohamad Hairidz Bin Mohd Najib
HELP University

Wong Wei Qi
Universiti Utara Malaysia

Japan

"HYLI 2019 has allowed us to broaden our perspectives on other Asian countries. Working together with other fellow delegates has taught us a lot of things. Let's inspire the next with your dream and change the world together."

Ayaka Yamagishi
The University of Tokyo

Ryosuke Kimura
Keio University

Mina Konaka
Tohoku University

Wataru Ikegaya
Hokkaido University

Myanmar

"Our key take-away from HYLI would be the word "human-centric." It is vital to have a balance between technology and sustainability, and for them to be integrated into policies and implementations. We have to be mindful and considerate to every citizen's needs and behaviors. Thanks to HYLI, our view to societal issues have been greatly broadened and we pledge to continue to push and advocate ASEAN's development forward. HYLI has inspired us all, and we will carry this on and continue to inspire others."

Hein Htet
University of Yangon

Set Kaung San
University of Information Technology

Kaung Zarni Naing
Yangon Technological University

Zin Nwe Zaw Lwin
Yangon Technological University

Philippines

"We pledge to take action in promoting digital transformation for a more inclusive and sustainable nation. We recognize the obstacles and trials that we might face in the Philippines, but we believe that technology will be the key in working towards our ultimate goal, which is a sustainable future that leaves no one behind."

Angel Lisette Syson Lao
De La Salle University

Katrina Alonzo Abenojar
Ateneo de Manila University

Jadin Zam Sales Doctolero
De La Salle University

Kristiana Mikaela Lacson Leviste
De La Salle University

Thailand

"We strive to move towards a more digitalized and interconnected community. We as representatives of Thailand pledge to play a proactive role in this movement by spreading awareness and enforcing stronger relationships with other countries to form a more sustainable future."

Jarin Jamie Wong
Chulalongkorn University

Ratchapol Srihong
Chulalongkorn University

Nopasorn Boonprapakorn
Chulalongkorn University

Suchanad Tangsittitum
Chulalongkorn University

Singapore

We pledge to continue to advance digital transformation in our local and national communities in a manner that is inclusive, constructive and promotes a sustainable future for generations to come. We pledge to continue advocating for technologies that ensure responsible consumption, production, fair and critical growth to help support all members of the society to move forward together. Because at the end of the day, a smart city, is a home to everyone."

Subramanian Gowtham
Singapore University of Technology and Design

Suhaila Binte Zainal Shah
Singapore University of Technology and Design

Mock Yi Jun
The London School of Economics and Political Science

Veronica Low Kai Lin
Singapore Institute of Technology

Vietnam

"As delegates from Vietnam, we will bring the valuable knowledge gained through this journey back home and create a positive impact. Imagine without limitations on what you can be and what you can do. Hitachi has inspired us and we will continue to inspire others!"

Ngo Anh Phuong
Technische Universität Berlin – Vietnamese German University

Tran Phuong Mai
Diplomatic Academy of Vietnam

Phạm Khánh Linh
University of Economics Ho Chi Minh City

Trinh Ho Anh Phuong
University of Economics Ho Chi Minh City

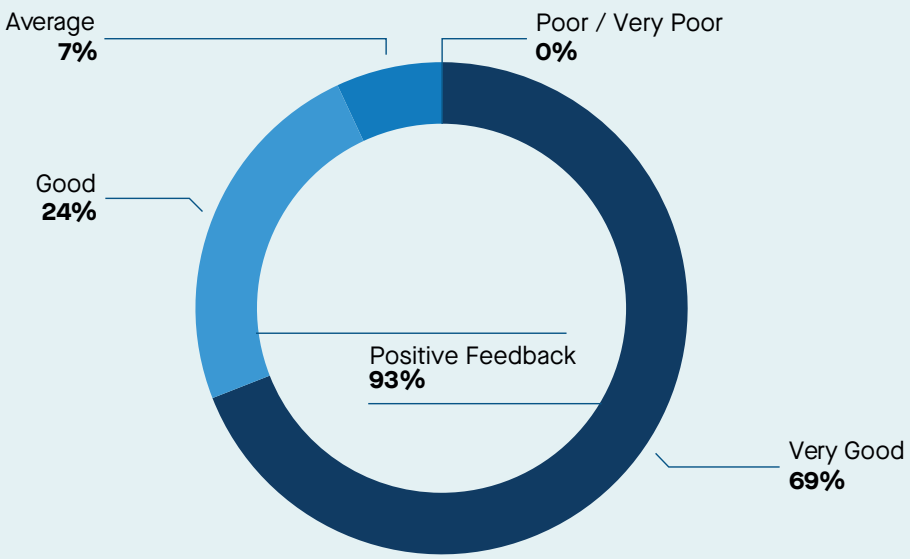
HYLI 2019 Outcome

Outline of Student Survey

Scope of Respondent	:	HYLI 2019 Student Delegates (32)
Purpose	:	To evaluate program outcome To identify further improvement area
Response Statistics	:	29 (Response Rate: 91%)
Survey Tool	:	HYLI 2019 App

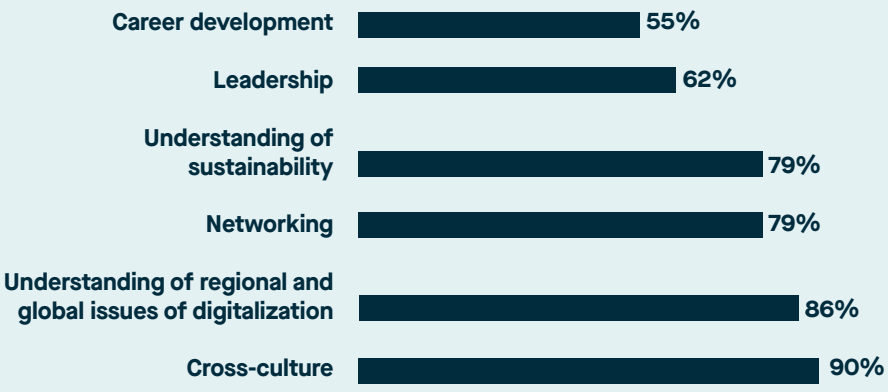
Total Evaluation

Q. How would you rate the HYLI 2019?



Learning Take away

Q. What did you learn from HYLI 2019?



Student Comments

Q. What did you learn from HYLI 2019?

HYLI allowed me to work with like-minded individuals, coming together as one, to brainstorm about the possible ideas for our business. While working, I get to understand social issues at a deeper level and be aware of the current situation that I was not aware of. On the other hand, the speakers taught me how to stay relevant in the society and pointers to take note of when Singapore is moving towards being a Digitalisation nation. I really appreciate the opportunity and being able to learn from the other fellows and industry players.

I learned how to be a man who can improve global society a better place to live, work and play. Thank you Hitachi for providing me such a great experience in my life. I enjoy every single moments when I was participating the program with other 31 amazing delegates and also Hitachi crews.

Beside intensive knowledge of digital transformation, I have learnt much from Hitachi and HYLI organizers about leadership and social responsibility, from my delegate friends about their passion and their non-stop intellectual curiosity.

I had learnt to give back to the society/community. I love everything about HYLI2019- unforgettable experience indeed!

Q. How will you utilize your experience of the HYLI 2019 from now on?

This program emphasizes me to work for the society. I would like to adopt my experiences with the HYLI 2019 as the motivation to solve inequality in my country by using technology and innovative solutions.

I will share the experience and future registration to all my friends and university. As a part of HYLI, I will also promote a sustainable and human centric views on every project I will do.

Digital transformation is an irreversible trend now. I will spread the spirit of social commitment and innovation to all social project leaders who I work with in Vietnam

I leverage the key learning of the initiative with my mentors and to generate/ consolidate ideas that has a tangible results towards the sustainable of the aspect we discuss during the forum.

I will share it through social media and citizen journalism, citing how my experience here could bring betterment to my surrounding.

Tackling Technology and Sustainability for HYLI 2019

Embracing the central theme of HYLI 2019 "Digital Transformation for a Sustainable Future," digital and sustainability components were incorporated into the operations of the program. From a specialized HYLI application to bamboo fiber water bottle, much has been done to enhance the digital experience as well as promote environmentally conscious practices.

Technology

With technology as a key driving force for the event, it was imperative for it to be at the forefront of not just the panel discussions and field trips but also in the operational aspects. The digital experience of the event is one such example and it was developed not just for event attendees but also for those who were unable to attend.

Firstly, for the delegates, social media platforms like Google Hangout were used to kickstart the HYLI learning program early on. Through facilitated webinars and Google chats, ample opportunities were provided to allow them to interact with their teammates. Additionally, the HYLI Facebook page, along with a social media campaign, was launched in advance to publicize about the program as well as to build anticipation for the upcoming event.

Staying in line with our efforts to limit waste generated at HYLI, the HYLI Mobile Application was introduced as well. The HYLI App provided access to the agenda, speakers and student delegates profiles and was utilized in many aspects of the program. It allowed delegates and audience members to have key information at their fingertips. With more than 7,300 views on the agenda, the App undeniably played a significant role in ensuring that participants are well informed on the location and schedule of activities, allowing the program to run seamlessly.

In addition, it also provided a platform for the student delegates and audience to interact with the speakers through the Q&A feature, where participants were able to ask questions to the speakers in real-time.

The HYLI App was successful in orchestrating an unforgettable event for student delegates and audience members by providing a space for participants to share their updates, images and learnings from the program. High levels of engagement in the App was recorded - with more than 390 attendees on the App, an estimate of 19,000 actions taken, and over 600 likes exchanged.

Lastly, for those who were unable to attend the Opening and Closing Forums, a Facebook Livestream session was also broadcasted using the HYLI Facebook Page.

Sustainability

With 2019 designated by Singapore's Ministry of the Environment and Water Resources as the year of Zero Waste, HYLI has incorporated the circularity ethos into its program. From water jugs instead of single-use plastic bottles to providing reusable utensils and containers for snacks, environmentally conscious options were highlighted. In addition, all of the catered food for the delegates were delivered in sustainable packaging. Snacks were delivered in a traditional biscuit tin which not only showcased Singapore food heritage but also reduced packaging from delivery. Tackling the issue of food waste, excess of this catered food was sent to Food Rescue Singapore.

Badges were also produced in limited quantities and printed on processed banana leaves by an Indonesian social enterprise based in Indonesia. This was only possible due to the development of the App which greatly reduced the need for printed materials as well as providing an alternative platform for participants to get information and interact on.

Social Media Engagement Overview

HYLI Facebook

Overview

39
Posts

412,392
Reach

37,984
Likes

Reactions, Comments, Shares (RCS)

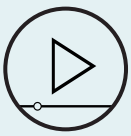
1,061
Reactions

520
Comments

368
Shares

650
Ave. RCS per Post

Live Streaming



34,350
People Reached

8,275
Viewers

Hitachi Young Leaders Initiative 2019

Singapore,
9 – 12 July 2019

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Young Leaders
Initiative 2019
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