

ANNEX C-4: EXAMPLES FOR BUDGET 2021 SPEECH

Example	Description
C: Emerging Stronger with Skilled Workers and Innovative Businesses	
Affinidi	<p><i>Transforming aviation sector strategically</i></p> <p>Affinidi is a Temasek-founded technology company that enables the creation and sharing of portable digital identities and credentials.</p> <p>Affinidi’s core technology solutions empower trusted institutions to issue verifiable data to users, who can then share this data with other institutions, applications or service providers. By sharing such verifiable data (i.e. credentials), users can access products and services in a trusted, open and interoperable manner.</p> <p>As borders and economies around the world gradually reopen, the creation, sharing and verification of COVID-19 related credentials can help safeguard public health. Affinidi partners with various industry leaders to build safe travel solutions, based on digital verification of COVID-19 credentials for vaccination and test results. Beyond COVID-19 credentials, Affinidi is building an ecosystem where credentials can be created for other use cases across various industries, platforms and borders.</p>
Jiva	<p><i>Creating Platforms for Nurturing Creative Ideas</i></p> <p>Jiva, backed by Olam, is a digital farmer services platform that leverages technology to provide services to smallholder farmers in developing markets. Jiva’s platform enables smallholder farmers to:</p> <ol style="list-style-type: none"> (1) Grow more effectively and sustainably; (2) Buy farming inputs (e.g. seeds, fertilisers) at fair market prices; (3) Borrow to fund farm growth; and (4) Sell farming produce directly to end-buyers which involves digitising key parts of the agriculture supply chain with online-to-offline capabilities. <p>Apart from farmers, Jiva also allows micro-entrepreneurs to participate in the supply chain business facilitating last mile logistics.</p>

Example	Description
<p>[Global Innovation Alliance] WaveScan</p>	<p><u><i>Creating Platforms for Nurturing Creative Ideas</i></u></p> <p>WaveScan is an A*STAR spin-off company specialising in the research and development (R&D) of disruptive beamforming electromagnetics-based smart sensor systems and advanced artificial intelligence (AI) algorithms.</p> <p>The Global Innovation Alliance (GIA) had provided WaveScan with a bird's eye view of the startup ecosystem in Tokyo and facilitated WaveScan's entry into the Japanese market. Japan is a highly relevant and scalable market for WaveScan's technology, a deep-tech hardware company developing sensors for inspection.</p> <p>Through GIA, WaveScan was connected with suitable hardware and advanced manufacturing venture capitalists and engaged over a dozen infrastructure corporates and partners.</p> <p>Despite the COVID-19 pandemic, corporate engagements continued and WaveScan has shipped their scanners and sensors to Tokyo for on-site testing.</p>
<p>[Global Innovation Alliance] Xnergy Autonomous Power Technologies</p>	<p><u><i>Creating Platforms for Nurturing Creative Ideas</i></u></p> <p>Xnergy Autonomous Power Technologies is a local deep-tech startup, spun off from NTU's ERI@N programme, which specialises in contactless charging technology for Automated Guided Vehicles and Electric Vehicles.</p> <p>Xnergy's proprietary contactless fast-charging technology is deployed in both Asia and Europe. Through the GIA Co-innovation programme, Xnergy partnered with a French MNC, Balyo, and co-developed contactless charging systems for forklifts.</p> <p>Tapping on Balyo's market network in the European Union (EU), Xnergy expanded its business offering and solutions to the EU market.</p> <p>Its clients include Infineon Technologies, Peugeot and Balyo.</p>

<p>Dim Sum Pte Ltd (Tim Ho Wan)</p>	<p><u><i>Co-Funding Transformation of Mature Enterprises</i></u></p> <p>Dim Sum Pte Ltd (Tim Ho Wan) is a dim-sum restaurant with 10 outlets island wide.</p> <p>In 2019, they worked with NTUC’s Employment and Employability Institute (e2i) to redesign their work processes to make their work environment easier and smarter for their older outlet staff.</p> <p>As a result of process re-engineering, Tim Ho Wan automated and modernised various manual job functions such as order-taking, menu management, tabulation and reporting. The automation process saved the company around 20-30% in man-hours.</p> <p>NTUC’s e2i also worked with the company to increase the salary for the impacted older workers under the scheme.</p>
<p>Mr Edmund Tang</p>	<p><u><i>Skilled Human Capital and Talent</i></u></p> <p>Mr Tang visited e2i's Trade and Connectivity Career Fair in September 2020 to proactively seek new job opportunities.</p> <p>e2i's staff found Mr Tang's previous work on future mobility projects relevant and matched his credentials with available job openings.</p> <p>Today, Mr Tang is a Senior Business Development Manager in the Advanced Remanufacturing and Technology Centre, at A*STAR.</p> <p>Mr Tang's new role allows him to leverage his automotive industry experience while developing new skills in a new growth industry.</p>
<p>Mr Cheng Yi Chiao</p>	<p><u><i>SGUnited Jobs and Skills Package</i></u></p> <p>Mr Cheng Yi Chiao worked in various MNCs and startups overseas and had assumed leadership roles such as CTO. Due to COVID-19 restrictions and family priorities, he left his role at a Malaysian Agri-tech company.</p> <p>Moving back to Singapore, he joined SGInnovate’s Innovation and Enterprise Fellowship Programme. The nine-</p>

	<p>month programme seeks to develop local talent for the fast-growing robotics and automation sector.</p> <p>Mr Cheng Yi Chiao started his traineeship at Ngee Ann Polytechnic and was assigned to SGInnovate’s partner company, Polybee, for his on-the-job training.</p> <p>Working together with Polybee's team, Yi Chiao has learnt how automation of pollination with micro drones works and is now well-positioned to contribute to Polybee's product development.</p>
<p>Mr Mohamad Zaini Bin Selamat</p>	<p><u><i>Managing the Local-Foreign Worker Mix Alongside Industry Transformation</i></u></p> <p>Mr Zaini, 41, a Technical Officer with SP Group, joined the company’s Capability Transfer Programme (CTP) for Advanced Metering Infrastructure Network Design and Optimisation in 2019.</p> <p>Before joining the programme, he could only perform basic tasks by implementing solutions recommended by the vendor to resolve network issues.</p> <p>Under the CTP, he learnt from experts, equipping him with skills in network support, and design and optimisation, which foreign vendors previously undertook.</p> <p>He is now performing higher-value work such as fault isolation and data analysis, as well as supervising junior colleagues.</p> <p>A total of 25 employees were trained under the CTP initiative and all have completed the programme.</p>

D: Strengthening our Social Compact

Madam Soo Bee Keow

Looking Further Ahead

As part of the Community Link (ComLink) initiative, Mdm Soo's children received support through the various ComLink programmes in Boon Lay.

Mdm Soo's two sons, aged 6 and 7, were enrolled into Boon Lay's Kidspiration kidsREAD reading programme, offered by Boon Lay Youth Network (BLYN), a community partner of ComLink.

Beyond kidsREAD, BLYN also supported the family with resources such as NTUC vouchers, back-to-school items and festive season gifts and toys. Mdm Soo's sons have graduated from kidsREAD. They will continue to be engaged in other upcoming ComLink programmes by Social Services Offices such as KidsCount, a collaboration between Youth Corps Singapore and BLYN to support children in numeracy skills.

Singtel Digital Silvers Programme

Emerging Stronger as a Community

The Singtel Digital Silvers programme supports the Digital for Life movement that President Halimah Yacob recently announced at the launch of the President's Challenge 2021. The programme is part of Singtel's digitalisation initiative to foster digital inclusion and close the digital gaps that have become pronounced since the onset of COVID-19, especially for the older generation.

Over 10,000 seniors will benefit from digital clinics and one-to-one tutorials by Singtel volunteers at various Senior Activity Centres. Seniors will pick up digital skills on smart devices, internet surfing, digital payments, and staying in touch with loved ones online.

Singtel is also partnering with various social services agencies to transform Senior Activity Centres into digital hubs, integrating infocomm with active ageing. Sponsored by Singtel, the upgrades to Senior Activity Centres include Wifi connections, Singtel TV ethnic content (Chinese, Malay and Indian) and tablets to facilitate virtual engagement. The upgrades will be rolled out over two years.

Additionally, Singtel is also offering weekly Silver Workshops at all Singtel Shops before opening hours. These one-on-one

	<p>sessions with Singtel staff are an opportunity for seniors to pick up basic digital knowledge such as using a smartphone.</p>
<p>First N-Lab</p>	<p><u><i>Emerging Stronger as a Community</i></u></p> <p>First N-Lab is a Singaporean-owned entity, set up by a core group who served together in National Service and a few other like-minded Singaporeans.</p> <p>The founders and investors brought in fully automated machinery to create the First N-Lab surgical mask manufacturing plant in Singapore.</p> <p>After eight months of preparations, the First N-Lab plant was ready for production and the First Edition Flag Box was launched in November 2020.</p> <p>N-Lab’s mask has a Bacterial Filtration Efficiency of more than 99%, and the mask is designed for breathability in Singapore’s hot climate.</p> <p>The masks are produced under cleanroom conditions with all production staff in protective clothing. The production areas are also subjected to six hours of Ultraviolet sanitisation daily to ensure minimum bacterial contamination exposure.</p>

E: Building A Sustainable Home for All

SFA’s Agriculture Productivity Fund - Aquaculture Centre of Excellence (Eco-Ark)

Technology

Eco-Ark is the only sea-based fish farm in Singapore equipped with a post-harvest facility that can directly hatch, raise, harvest and process fish onboard for the market. The facility enables Eco-Ark to achieve one of the shortest food miles (i.e. distance from farm to consumer) in Singapore.

The technology, developed with the support from the Singapore Food Agency’s Agriculture Productivity Fund, combines Offshore and Marine Technology with a closed containment system, which reduces the fish farm’s vulnerability to external conditions.

Eco-Ark is fully automated and integrated with a process management controller. It uses AI and Internet of Things (IoT) tools for seawater quality monitoring, fish transfer, auto-tanks cleaning with robotic combination, fish feeding and monitoring and aquatic health treatment.

By combining aquaculture husbandry practices with advanced aquaculture technologies, Eco-Ark enables intensive fish farming in a sustainable way and can achieve 20 times more output than the average coastal fish farms.

Durapower

Green Products and Technologies

Formerly known as New Resources Technology, Durapower specialises in the research, design, development, manufacture and supply of lithium-ion batteries and energy storage solutions. It has product presence in Asia, Europe, and the USA.

The lithium batteries can be used in electric vehicles and for stationary energy storage applications. Durapower covers the battery value chain from R&D, design and manufacture, module production to battery pack system integration. The company is also involved in battery recycling activities and has deployed repurposed battery systems for second life stationary applications.

It supplies several major vehicle manufacturers for heavy-duty and commercial vehicles in China and Europe, and customers in the energy storage space.

	<p>Durapower has existing R&D centres and collaborations located in Singapore, China, Japan, Europe and the USA. Durapower also works with global research institutions and commercial partnerships to conduct joint R&D in next-generation battery materials and related technologies. For instance, in Singapore, it works closely with Nanyang Technological University on the research, development and commercialisation of next-generation battery technologies.</p>
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