

## EDB Summer Internship 2024 Project List

No.	Division/sub-team	Project Title	Project Description	Requirements (if any)
1	Semiconductors	Study on economic opportunities on mmWave and Beyond	<p>With the progressive rollout of 5G networks, the next bound of wireless communications lies in milli-metre wavelengths (mmWave) and beyond. Singapore is a leading location for wireless communication manufacturing and process R&amp;D and EDB is on the lookout to capitalize on the next generation of wireless communications. In this project, you will study the economic opportunities on mmWave and Beyond technologies and how Singapore can leverage our existing capabilities to capture new business activities.</p> <p>As our intern, you will be required to/your deliverables are:</p> <ul style="list-style-type: none"> <li>a) Map out the global competitive landscape for mmWave and Beyond</li> <li>b) Identify desirable activities and capabilities to anchor in Singapore</li> <li>c) Develop a decision framework to engage companies, based on expected probability of success in anchoring in Singapore</li> <li>d) Recommend a list of companies/business units to engage.</li> </ul> <p>During your internship, you will have the opportunity to meet with executives from the wireless communications industry and engage in discussions on mmWave and Beyond technologies. You will also have the opportunity to work with A*STAR to map out the technical capabilities within our public research institutions.</p>	NIL
2	Semiconductors	Study on semiconductor/semiconductor equipment connectivity	<p>Singapore is a critical node to the global semiconductor and semiconductor equipment supply chain. The movement and flow of goods enabled by Singapore's strong air and sea connectivity have been instrumental in the foundation of the industry and the lessons from the COVID-19 pandemic highlighted the criticality of our connectivity. In this project, you will study the connectivity needs of the semiconductor and semiconductor equipment industry by meeting with supply chain executives and other relevant personnel.</p> <p>As our intern, you will be required to/your deliverables are:</p> <ul style="list-style-type: none"> <li>a) Map out the air and sea connectivity needs of the semiconductor/semiconductor equipment industry</li> <li>b) Identify opportunities and challenges to improve the competitiveness of Singapore's connectivity</li> <li>c) Develop a prioritization framework to determine which opportunities/challenges to address</li> <li>d) Recommend initiatives to address the prioritized opportunities/challenges</li> </ul> <p>During your internship, you will have the opportunity to meet with supply chain executives to map out the industry's connectivity needs. You will also have the opportunity to engage with companies on supply chain related projects (led by an EDB account manager).</p>	NIL

3	Product Innovation by Experience (PIX)	Applying Design in support of client experience, digital experience and product innovation	<p>As part of EDB's efforts to create and sustain a vibrant business environment for Singapore, the Product &amp; Service Design team in PIX works closely in collaborative projects with other business units to address internal- and client-facing problems using Design-led approaches. We apply Design methodology (Discover-Define-Develop-Deliver) to improve client and digital experiences, and support the innovation of new products and services for corporate clients.</p> <p>As a Design intern, you will have the opportunity to be immersed in projects relating to Client and Digital Experiences, such as:</p> <p>a) Research work - Conducting research in identified areas/industries for understanding of context &amp; landscape. - Synthesising interview /research data to obtain meaningful insights that inform opportunity areas to focus on for ideation of solutions.</p> <p>b) Client Experience - Planning &amp; conducting user interviews with EDB clients/EDB officers in support of client journey discovery, opportunity areas and business goals. - Developing &amp; user-testing concepts and prototypes that address client needs.</p> <p>c) Digital Experience - Designing prototypes and wireframes (e.g., on Figma) to explore, and evaluate various options to land on the best recommendations for EDB's digital experience. - Synthesising research insights to formulate digital experience considerations into a set of recommendations to Product Managers (PMs), engineers and stakeholders. - Contributing updates to EDB's design system, where relevant</p> <p>During your internship, you will have the opportunity to be part of a project team comprising designers, product managers, engineers and business stakeholders. You will also get to be part of the in-house PIX Design team, comprising product &amp; service designers who nurture and model a human-centred work culture.</p>	<p>Background in</p> <ul style="list-style-type: none"> <li>• Industrial Design</li> <li>• Architecture</li> <li>• Business studies with Design Thinking.</li> </ul> <p>Interest in Design Thinking / Service Design / Product Design or UX</p>
4	Professional Services	Generative AI in Built Environment	<p>Our team works with leading MNCs in engineering services to shape new investments in Singapore and to catalyze transformational projects. We are currently embarking on an exercise to understand the impact that Generative AI has on built environment.</p> <p>As an intern with us, you will be required to complete a research project on Generative AI that includes the following:</p> <p>a) Create a map of Gen AI applications that are gaining traction, grouped by product archetype, that is relevant for built environment</p> <p>b) Identify which Gen AI application that have the most relevance to EDB, and identify ways these applications might disrupt or add value to the built environment ecosystem</p> <p>c) Identify gaps and challenges in Gen AI adoption in the built environment</p> <p>d) Recommend how to plug these gaps</p> <p>e) [optional] Recommend areas for further study / deep-dive</p> <p>During your internship, you will participate in meetings with senior corporate executives in engineering services sector to understand how they intend to leverage Gen AI applications and build up local capabilities in this field. You may also interact with colleagues from Digital Industry Singapore (DISG) and engaging Gen AI firms, and how EDB intends to capture value from the growth opportunities in Gen AI.</p>	Background in any engineering discipline

5	Office for Space Technology & Industry, Singapore (OSTIn)	Space Technology and Outer Space Policy Research	<p>Opportunities in space are growing fast. Singapore is exploring many exciting new frontiers in space technology, industry and policy by studying best practices and developments around the world.</p> <p>For this project, we will perform a deep dive on novel space technologies, applications and collaborative partnership mechanisms with key countries that OSTIn is engaging, taking into account our strategic needs. You will help strengthen our knowledge bank and shape Singapore's approach towards R&amp;D and international space partnerships.</p> <p>As our intern, you will:</p> <ul style="list-style-type: none"> <li>a) Map out selected countries' key technology strengths, strategy, ongoing R&amp;D and key developments</li> <li>b) Uncover key drivers, applications and mechanisms to support technology partnerships with identified countries</li> <li>c) Make an assessment of Singapore's potential approach towards engaging these countries, taking into account our strategic needs</li> </ul> <p>During your internship, you will have the unique opportunity to be part of Singapore's national space office. You will learn about Singapore's space ecosystem and engage with space technology, industry, and policy work. You will also get to meet a diverse group of internal and external (e.g., academics, researchers, space companies) stakeholders working at the forefront of Singapore's space ecosystem during your internship.</p>	<p>Candidates with background in technology, engineering or data science would be preferred, but not essential.</p> <p>We would also consider humanities students with strong interest in technology, engineering or data science.</p>
6	Office for Space Technology & Industry, Singapore (OSTIn)	Assessing the Economic Competitiveness of Leading Space Economies, vis-à-vis Singapore	<p>Opportunities in space are growing fast. Singapore is exploring many exciting new frontiers in space technology, industry, and policy by studying best practices and developments around the world.</p> <p>For this project, we will assess the economic competitiveness of leading space economies in the world – some of which are OSTIn's closest partners. You will contribute to the wider space industry strategy, which will inform and impact the development of the Singapore space industry.</p> <p>As our intern, you will:</p> <ul style="list-style-type: none"> <li>a) Conduct a landscape scan of leading space economies such as the US and UK</li> <li>b) Elucidate the role of their respective governments in growing the local space economy</li> <li>c) Identify key factors contributing to the competitiveness of these countries in nurturing local companies, and attracting foreign companies</li> <li>d) [If time permits] Assess the competitiveness of Singapore's space economy vis-à-vis these space economies and highlight our key differentiators.</li> </ul> <p>During your internship, you will have the unique opportunity to be part of Singapore's national space office. You will learn about Singapore's space ecosystem and engage with space technology, industry, and policy work. You will also get to meet a diverse group of internal and external (e.g., academics, researchers, space companies) stakeholders working at the forefront of Singapore's space ecosystem during your internship.</p>	<p>Candidates with a background in economics, political science, data science, technology, or engineering, would be preferred, but not essential.</p>
7	Energy and Resources (E&R)	Innovation in the energy transition	<p>In the global shift away from traditional fossil fuel based industries, to sustainable/renewable energy, the energy sector will need to innovate in their products and methods of production.</p> <p>As our intern, you will:</p> <ul style="list-style-type: none"> <li>a) Build 2-3 case studies from the energy sector; &amp;</li> <li>b) Identify success factors of securing companies' innovation mandate (i.e. the decision making power on innovation activities and direction) outside of their home country.</li> </ul> <p>During your internship, you will get opportunities to engage companies on their innovation journey, and engage internal stakeholders on the government's innovation strategy. You will also pick up research and communication skills.</p>	NIL

8	Energy and Resources (E&R)	Manpower needs for the energy sector	<p>As energy and chemical companies transform and restructure their operations in response to the industry downcycle and global energy transition, it is important for us to understand how their workforce, particularly in Singapore, will be affected.</p> <p>As our intern, you will conduct a study to :</p> <ul style="list-style-type: none"> <li>a) Identify the profile of the workforce likely to be affected by the abovementioned developments</li> <li>b) Identify potential opportunities to redeploy the affected workers</li> <li>c) Evaluate if there is gap between the profile of the affected workers and the skills required for the opportunities identified in b) and if so, propose interventions to help bridge the gap</li> </ul> <p>During your internship, you will have opportunities to learn about the energy and chemicals ecosystem in Singapore and engage companies on their manpower issues. You will also engage internal stakeholders on manpower policy issues. Through the internship, you can look forward to gaining skills in stakeholder engagement, research, and written &amp; verbal communication.</p>	NIL
9	Corporate Planning & Analytics (CP&A)	Review of corporate management practices and performance metrics	<p>EDB's corporate management practices are evolving in tandem with changes in our operating environment and the shift towards a data-backed organization.</p> <p>As our intern, you will be required to:</p> <ul style="list-style-type: none"> <li>a) Study the performance metrics of leading economic development agencies</li> <li>b) Identify metrics that EDB can potentially adopt to better communicate its contributions and impact, and inform decision-making</li> <li>c) Develop recommendations to enhance EDB's performance measurement metrics, including appropriate data tracking and collection mechanisms, and where possible, automate the reporting process</li> </ul> <p>During your internship, you will be exposed to how our team works in partnership with senior management and across Divisions in EDB to drive corporate performance. Depending on the period of joining and your interest, you will also have the opportunity to work on data analytics/ science or dashboarding projects, or in EDB's mid-year workplan review exercise.</p>	Comfortable working with data and detail-oriented. Tableau, Excel (e.g. VLOOKUP, pivot tables) and programming skills (e.g. python) will be useful.
10	Brand, Marketing & Communications (BMC), Brand	New ways to brand Singapore	<p>EDB's Brand, Marketing and Comms team (BMC) manages one of the most exciting brands in the world – the country and economy of Singapore (yes we're biased). We're constantly looking for creative ways to tell the Singapore story to our business audiences, but we know we don't have a monopoly on good ideas. This is where you come in.</p> <p>As our intern, you will be required to/your deliverables are:</p> <ul style="list-style-type: none"> <li>a) Conduct an analysis of EDB's recent brand campaigns and a scan of interesting brand work from other countries or companies; &amp;</li> <li>b) Develop 1 – 3 creative recommendations on how EDB can brand Singapore to our global business audience. This can take the form of partnerships with brands/companies; innovative content formats; event activations; or more.</li> </ul> <p><i>Note: A fully-fleshed out brand campaign proposal or rebranding recommendation is not required; we're looking for great ideas that can be plugged into our existing branding work and marketing calendar.</i></p> <p>During your internship, you'll get the opportunity to speak to several teams in EDB, both within the BMC division and elsewhere (such as our client-facing divisions). You will also be able to reach out to EDB's clients and partners to interview them or ask them about their experience with the EDB and in Singapore. Finally, you may be asked to support ongoing marketing work (campaign planning, event planning, content production, etc.) based on your interest and qualifications for additional exposure.</p>	A marketing or mass comm major is preferred but not a must. Bonus if you have experience in creative production (ad banners, copywriting, etc).

11	Consumer	Singapore's Right to Play and Win in Dermatological Skincare	<p>The global dermatological products market accounts for ~12% of the global skin care market. It is estimated at USD 15.5B in 2022, and grow at 5.4% CAGR to reach USD 26.4B by 2032. Given the growing interest in dermatological skincare by Consumer Packaged Goods and Healthcare companies, especially in the APAC region, this project will require:</p> <p>(a) Analysis of industry and company developments and trends, including on up and rising brands and companies that EDB should engage;</p> <p>(b) Engagements with executives from Beauty and Personal Care companies like L'Oreal, Unilever, Estee Lauder etc. to understand their jobs-to-be-done, the potential investment opportunities for Singapore in Research/Development for Asian skin health/diseases and Branding/Marketing; and how Singapore can play a unique role to meet these companies' needs;</p> <p>(c) Coming up with recommendations on how Singapore can develop a Right to Play and Win in this sub-sector.</p> <p>Outside of the project, you will also have the opportunity to shadow Consumer Group Account Managers on their meetings with clients, government stakeholders, and internal stakeholders, to experience the day-to-day life of an account manager in EDB.</p>	Background in business or marketing would be an advantage
12	Consumer	AI for Branding and Marketing in Singapore	<p>Artificial Intelligence (AI) is increasingly transforming marketing. Marketing professionals leverage AI to create and enhance their products and services, with the aim of delivering better value to their customers. Singapore has built up a vibrant ecosystem of Consumer Brandowners and marketing/creative agencies. How can we leverage the growing base of marketing tech companies to enhance the work that is being done by Brandowners and agencies?</p> <p>As our intern, you will be required to/your deliverables are:</p> <p>(a) Analyse the use of AI across players along the branding and marketing value chain;</p> <p>(b) Interview Brandowners to understand their use of AI in marketing, as well as the strengths and gaps of Singapore's Branding and Marketing ecosystem; and</p> <p>(c) Assess and provide recommendations of areas of intervention, if any.</p> <p>Outside of the project, you will also have the opportunity to shadow Consumer Group Account Managers on their meetings with clients, government stakeholders, and internal stakeholders, to experience the day-to-day life of an account manager in EDB.</p>	Background in marketing would be an advantage

13	Mobility & Industrial Solutions (MIS)	How should Singapore face off key competitors and challenges to strengthen its position as a global node in the Aerospace industry?	<p>Singapore is a global manufacturing and MRO node for the aerospace industry with presence of top global aerospace companies such as Boeing, Airbus, GE Aerospace, RTX and Rolls Royce. For many of these companies, Singapore serves as the only or largest manufacturing/MRO site for certain product families.</p> <p>Post-pandemic, there is rising demand for new aircraft and aerospace aftermarket services globally. Aerospace companies are affected by key global trends including:</p> <ul style="list-style-type: none"> <li>• With recent large aircraft orders from China and India, these locations are gaining attention from aerospace companies looking to set up manufacturing and MRO operations.</li> <li>• Companies are facing challenges such as supply chain issues and talent shortages that is affecting their growth</li> </ul> <p>Maintaining Singapore's competitiveness in the global aerospace sector is crucial to ensure Singapore stays ahead of the game, and continue to be an attractive global hub for aerospace activities.</p> <p>As our intern, you will be required to:</p> <ol style="list-style-type: none"> <li>a) Map out the key aerospace hubs globally and conduct a competitive analysis to compare Singapore's value propositions against other competitive locations for aerospace manufacturing and MRO.</li> <li>b) Conduct a deep dive analysis on the key challenges (i.e. supply chain issues, talent shortage) faced by the major aerospace companies based in Singapore today.</li> <li>c) Provide recommendations on how EDB could respond, change and/or develop products/policies to strengthen our competitiveness.</li> </ol> <p>During your internship, you will engage and validate your hypothesis/findings with EDB's clients including aerospace companies based in Singapore. You will also be exposed to how EDB works with other government agencies such as EnterpriseSG to develop our aerospace supplier ecosystem, and Workforce Singapore and Skillsfuture Singapore on talent initiatives.</p>	Interest in the aerospace industry. No technical background is required.
14	Mobility & Industrial Solutions (MIS)	Trends and opportunities in the automotive two-wheeler market	<p>Two-wheelers like scooters, motorcycles and motorbikes account for 30% of global mobility and are essential transport modes in regions like Southeast Asia, South Asia and China. The global two-wheeler market is projected to grow significantly at a CAGR of 8.7%, reaching a value of US\$218 billion by 2029. The industry is also experiencing significant change due to megatrends like electrification.</p> <p>In this project, you will study the latest trends in this industry and identify opportunities for Singapore to capitalize on.</p> <p>As our intern, you will be require to:</p> <ol style="list-style-type: none"> <li>a) Do a stock-take of activities, that companies in the two-wheeler industry undertake in Singapore today.</li> <li>b) Map out the two-wheeler value chain and key subsystems</li> <li>c) Identify potential areas of opportunities for Singapore</li> <li>d) For potential areas of opportunity, assess the potential benefits to Singapore and Singapore's competitiveness in vying for such opportunities.</li> <li>e) Provide recommendations on how EDB can capitalize on areas of opportunity and strengthen Singapore's value propositions.</li> </ol> <p>During your internship, you will engage and validate your hypothesis/findings with EDB's clients, including EV two-wheeler companies based in Singapore.</p>	NIL

15	Mobility & Industrial Solutions (MIS)	Study on trends and opportunities in the Controls & Automation industry	<p>The global Controls &amp; Automation (C&amp;A) market size was valued at \$300b in 2020, and is projected to reach \$800b by 2030, registering a CAGR of ~10.7% from 2021 to 2030.</p> <p>C&amp;A are advanced aspects of modern manufacturing that are meant to control and monitor industrial operations to reduce human interference. The increased use of edge computing and artificial intelligence-based automation solutions is anticipated to propel the C&amp;A market growth.</p> <p>Singapore is home to key players in the C&amp;A industry (such as ABB, Emerson, Rockwell Automation, Siemens, Schneider Electric, etc.) which conduct a variety of activities in Singapore ranging from regional HQ functions, manufacturing, innovation and engineering and technical services.</p> <p>As our intern, you will be required to:</p> <ul style="list-style-type: none"> <li>a) Map out the key segments in the C&amp;A industry and the key activities of C&amp;A companies in Singapore.</li> <li>b) Identify global and regional trends and drivers for growth for the industry.</li> <li>c) Conduct a competitive analysis to compare Singapore's value propositions against other locations for C&amp;A activities.</li> <li>d) Through analysis of data, quantify the contributions to the Singapore economy (e.g. revenue performance, employment, types of jobs).</li> <li>e) Identify opportunities to explore with C&amp;A companies and provide recommendations on how EDB can strengthen Singapore's value proposition to capitalize on these opportunities.</li> </ul> <p>During your internship, you will engage and validate your hypothesis/findings with EDB's clients including C&amp;A companies based in Singapore.</p>	NIL
16	Mobility & Industrial Solutions (MIS)	Study on trends and opportunities in Electric Vehicle (EV) charging	<p>Global EV adoption has been picking up, with the industry estimating 27 million EVs on the roads by 2030 (Source: PwC). With increased adoption of EVs, the demand for EV charging infrastructure is also expected to grow. The global EV charging market size was valued as US\$26B in 2022 and is expected to grow to US\$280B in 2032, at a CAGR of 25% (Source: Global Market Insights).</p> <p>In this project, you will study the latest industry trends and identify opportunities for Singapore to capitalise on.</p> <p>As our intern, you will be required to:</p> <ol style="list-style-type: none"> <li>1. Identify global and regional trends and drivers for growth, and map out the value chain of the EV charging industry;</li> <li>2. Conduct a stock-take of existing activities undertaken by companies in the EV charging industry in Singapore;</li> <li>3. Identify potential areas of opportunities in EV charging for Singapore by assessing the economic benefits, our competitive advantage against other locations, etc;</li> <li>4. Provide recommendations on how EDB can capitalise on areas of opportunities and strengthen Singapore's value propositions.</li> </ol> <p>During your internship, you will engage and validate your hypothesis/findings with EDB's clients including EV charging companies based in Singapore.</p>	NIL

17	Digital Industry Singapore (DISG)	Deep Dive into the Local B2B SaaS Landscape	<p>Singapore is a leading location for global B2B SaaS APAC HQ and product development activities. EDB is on the lookout for how these players can uplift our local Enterprise Technology ecosystem through capability and industry development efforts. In this project, you will study the economic opportunities presented by local B2B SaaS companies and how EDB can forge key startup/SME-MNC collaborations to capture new business activities in this space.</p> <p>As our intern, you will be required to do the following (but not limited to):</p> <ul style="list-style-type: none"> <li>a) Map out the local B2B SaaS landscape</li> <li>b) Identify key capabilities from local companies and assess their competitiveness against global players</li> <li>c) Identify gaps that global B2B SaaS can plug to uplift the local ecosystem.</li> <li>d) Recommend and present areas for collaboration between local-foreign B2B SaaS companies.</li> </ul> <p>During your internship, you will have the opportunity to meet with executives from the B2B SaaS space and engage in discussions across the entire Enterprise Technology value chain (IaaS, PaaS, SaaS). You may also interact with colleagues from other divisions leading cross-divisional work (Project Cupid), to understand how EDB intends to create value from such startup/SME-MNC collaborations</p>	NIL
18	Resource & Carbon	Reviewing international landscape on carbon pricing policy	<p>At Budget 2022, the government announced that the carbon tax would be increased after 2023, with a view to reaching S\$50-80/t by 2030 from the current \$5/t. A transition framework will be introduced to provide allowances to emissions-intensive &amp; trade-exposed sectors to help manage the near-term impact on Singapore's business competitiveness. To ensure that our carbon tax policy remains relevant while balancing against our economic competitiveness, Singapore will need to understand the evolving carbon pricing policy developments in key competitor jurisdictions.</p> <p>As our intern, you will be required to:</p> <ul style="list-style-type: none"> <li>a) Track changes in carbon pricing policy, carbon pricing levels, &amp; free allocation quantities in in key jurisdictions; and</li> <li>b) Carbon efficiency benchmarking methodologies for sectors outside refineries &amp; crackers.</li> </ul> <p>During your internship, you will have opportunities to engage key industry players and government agencies such as MTI, MOF &amp; NEA, for first-hand insights into carbon pricing policy.</p>	NIL
19	Resource & Carbon	Analyzing resource requirements of low-carbon growth sectors	<p>As announced in Oct 2022, Singapore has enhanced its climate change targets, aiming to reduce emissions to around 60 MtCO<sub>2</sub>e by 2030 after peaking emissions earlier, &amp; to achieve net zero by 2050. To meet these targets while sustaining economic growth, Singapore will need to actively pursue low-carbon investments. This project seeks to analyze the resource requirements (such as water, electricity etc.) of potential low-carbon growth sectors, to identify resource trade-offs as we reshape Singapore's economic profile.</p> <p>As our intern, you will be required to:</p> <ul style="list-style-type: none"> <li>a) Identify relevant growth sectors through desktop research &amp; interviews with EDB-internal stakeholders;</li> <li>b) Interview Singapore-based companies in identified growth sectors to understand (i) their plans for decarbonizing their value chain &amp; potential challenges they may face (in Singapore) in that regard, &amp; (ii) the physical resources needed to support their growth plans;</li> <li>c) Provide a preliminary assessment of how EDB might be able to support these companies in driving low-carbon activities</li> </ul> <p>During your internship, you will have opportunities to engage key industry players and EDB-internal stakeholders on the potential of growth sectors to contribute to a low-carbon economy, for insights in climate policy development.</p>	NIL



20	Resource & Carbon	Emissions Reduction Opportunities for Key Growth Sectors	<p>As announced in Oct 2022, Singapore has enhanced its climate change targets, aiming to reduce emissions to around 60 MtCO<sub>2</sub>e by 2030 after peaking emissions earlier, &amp; to achieve net zero by 2050. To meet these targets, Singapore will need to understand the evolving landscape of decarbonization pathways for key industry sectors, to be more targeted in our engagement efforts with companies.</p> <p>As our intern, you will be required to:</p> <ul style="list-style-type: none"> <li>a) Review companies' decarbonization plans, energy efficiency opportunity assessment reports, past emissions reduction projects and analyse them by industry sector and abatement potential; and</li> <li>b) Engage companies and conduct desktop research on additional abatement technologies or opportunities which could be adopted in Singapore.</li> </ul> <p>During your internship, you will have opportunities to engage key industry players and government agencies such as MTI, for first-hand insights into climate policy for the manufacturing sector.</p>	NIL
21	Resource & Carbon	Study on the use of Town Gas in manufacturing sector	<p>As announced in Oct 2022, Singapore has enhanced its climate change targets, aiming to reduce emissions to around 60 MtCO<sub>2</sub>e by 2030 after peaking emissions earlier, &amp; to achieve net zero by 2050. Some of the emissions from industry in Singapore are generated from the burning of fuels, such as Town Gas. This study aims to understand the extent of use of Town Gas within the manufacturing sector in Singapore &amp; the opportunities/costs of switching to cleaner alternatives.</p> <p>As our intern, you will be required to:</p> <ul style="list-style-type: none"> <li>a) Interview companies and external stakeholders to understand (i) the use of town gas in manufacturing processes in Singapore, as well as (ii) considerations taken by companies on whether/how to switch to alternatives.</li> <li>b) Provide a preliminary assessment of whether/how EDB might be supporting these companies towards switching to alternatives.</li> </ul> <p>During your internship, you will have opportunities to engage key industry players and government agencies such as MTI &amp; EMA, for first-hand insights into energy policies for the manufacturing sector.</p>	NIL
22	Resource & Carbon	Study on the resource-take of AI data centres (DCs)	<p>In Dec 2023, Singapore announced its National AI Strategy 2.0 (NAIS 2.0) which outlines our ambitions for AI, including its use to drive innovation and growth. This project seeks to understand the physical resource-take of AI data centres (DCs), to support the pursuit of NAIS 2.0.</p> <p>As our intern, you will be required to:</p> <ul style="list-style-type: none"> <li>a) Conduct desktop research, as well as interview companies and external stakeholders to understand how the design considerations and physical resource-take of AI DCs differ from typical DCs;</li> <li>b) Propose metrics for projecting the physical resource requirements of AI DCs;</li> <li>c) Develop preliminary resource projections based on NAIS 2.0</li> </ul> <p>During your internship, you will have opportunities to engage companies and government agencies such as IMDA, for first-hand insights into resource planning for the new growth area of AI.</p>	NIL

23	Environmental Sustainability	Sustainability services and products	<p>Sustainability services and products will grow in demand as corporates and governments face increasing pressure to manage their carbon footprint. This will give rise to new economic opportunities, such as in carbon management services and emerging decarbonization technologies. For instance, carbon services and trading is expected to contribute between US\$1.8 – 5.6 billion in GDP and generate an additional 16,000 – 57,000 professional jobs for Singapore’s economy by 2050.</p> <p>In this project, you will study the latest trends in sustainability services and products to identify opportunities for Singapore to grow new jobs and businesses.</p> <p>As our intern, you will be required to:</p> <ul style="list-style-type: none"> <li>a) Study emerging opportunities in sustainability services and products</li> <li>b) Characterise the market, key players, and solutions in the identified opportunity area(s)</li> <li>c) Recommend whether and how EDB should pursue this opportunity.</li> </ul> <p>During your internship, you will have the chance to understand developments in carbon markets, renewable energy, and decarbonization technologies, interact with sustainability services practitioners, and engage various stakeholders such as government agencies, research institutes and start-ups.</p>	NIL
24	Healthcare / MedTech	Future of MedTech	<p>According to KPMG, the global MedTech industry is expected to grow to US\$800 billion by 2030 at a steady CAGR of 5%. Amidst global headwinds such as rising healthcare cost pressures and shortage of trained clinicians, technologies such as artificial intelligence, robotics, miniaturized medical devices have significant potential to improve clinical outcomes and cost effectiveness of care for patient populations.</p> <p>Today, Singapore is a trusted global manufacturing and innovation hub in Asia for many of the world’s leading MedTech firms, producing &gt;US\$12 billion of cardiac implantables, vision care produces, capital equipment, medical supplies and life sciences tools.</p> <p>How might we identify what are the promising technologies impacting the future of MedTech, and ensure that Singapore can be globally relevant?</p> <p>As our intern, you will help us:</p> <ul style="list-style-type: none"> <li>a) Identify and characterise emerging medical technology focus areas (eg AI-enabled devices), including key trends/market size/value chain.</li> <li>b) Study how other global MedTech Innovation Hubs are positioning for these opportunities</li> <li>c) Conceptualise potential value capture opportunities that Singapore</li> <li>d) Recommend approaches for Singapore to position for these opportunities</li> </ul> <p>During your internship, you will be exposed to how global developments shape EDB’s industry development strategies and efforts. You will also experience working with a diverse group of stakeholders - ranging from other EDB colleagues as well as external industry and public sector partners to formulate and validate your hypotheses.</p>	NIL

25	Healthcare	Precision Medicine	<p>Precision Medicine is a healthcare approach that uses molecular and health data to enable targeted therapies. This could lead to more accurate healthcare journeys, spanning across prevention, diagnosis, and treatment.</p> <p>Major countries around the world (including Singapore) are adopting Precision Medicine in their healthcare systems, as this could potentially prevent chronic diseases, enable early detection, as well as deliver more effective and targeted treatment, thereby improving quality of health and reducing healthcare expenses.</p> <p>Leading biomedical sciences companies are riding this wave to develop and commercialise innovative products/solutions to capture this growth opportunity and pre-position for the future.</p> <p>As our intern, you are required to:</p> <ul style="list-style-type: none"> <li>a) Study how other countries are positioning for these opportunities</li> <li>b) Identify and characterise an emerging sector (including key trends/market size/value chain) that could enable precision medicine</li> <li>c) Conceptualise potential value capture opportunities for Singapore</li> <li>d) Recommend approaches for Singapore to position for these opportunities</li> </ul> <p>During your internship, you will be exposed to how global developments shape EDB's industry development strategies and efforts. You will also experience working with a diverse group of stakeholders - ranging from other EDB colleagues as well as external industry and public sector partners to formulate and validate your hypotheses.</p>	NIL
26	Healthcare	Sustainability efforts of biomedical sciences companies	<p>In line with its Green Plan 2030 blueprint, Singapore has been intensifying its sustainability push across a number of fronts. Businesses are tapping onto Singapore's diverse and rich ecosystem to craft new sustainable solutions for individuals and enterprises.</p> <p>As an example, leading pharmaceutical and medical devices companies are embracing sustainable solutions and strategies which include green chemistry, energy efficiency, responsible sourcing, eco-friendly packaging.</p> <p>As our intern, you are required to:</p> <ul style="list-style-type: none"> <li>a) Study the various sustainability efforts of leading biomedical sciences companies.</li> <li>b) How leading biomedical sciences hubs globally are positioning themselves to capture these opportunities.</li> <li>c) Conceptualize potential value capture opportunities for Singapore.</li> <li>d) Recommend approaches for Singapore to position for these biomedical sciences companies.</li> </ul> <p>During your internship, you will be exposed to how global developments shape EDB's industry development strategies and efforts. You will also experience working with a diverse group of stakeholders - ranging from other EDB colleagues as well as external industry and public sector partners to formulate and validate your hypotheses.</p>	NIL

27	Innovation Economy	Anchoring and Leveraging Innovation Mandate to Enable a Vibrant Innovation Hub	<p>Singapore has made steady progress in anchoring Innovation Mandates from Corporates, where Corporates direct their innovation efforts and enable commercial outcomes from Singapore. EDB is keen to understand how we can harness the innovation capacity of these Corporates to enable stronger innovation collaborations and enable Singapore to be a more vibrant innovation hub. Being a small nation competing in a dynamic global arena, an innovation-led economy is paramount to Singapore's long-term economic competitiveness and growth. To ensure that Singapore's innovation ecosystem continues to be compelling, EDB is keen to understand how other innovation hubs globally are fostering partnerships and collaborations in the ecosystem to drive innovation outcomes.</p> <p>As our intern, you are required to:</p> <ul style="list-style-type: none"> <li>(a) Identify leading innovation hubs globally and conduct a scan on innovation tools/ policies adopted to foster partnerships and collaborations in the innovation ecosystem (e.g. between Corporates and other Corporates/ SMEs/ IHLs) to enhance R&amp;D efforts and outcomes.</li> <li>(b) Characterise the tools/ policies adopted by these innovation hubs to determine the ones which are more effective and replicable in Singapore</li> <li>(c) Recommend interventions that Singapore could implement to position itself as innovation hub for enterprises to develop new products and services out of Singapore</li> </ul> <p>During your internship, you will have the opportunity to be exposed to strategy work and EDB's approach to innovation ecosystem development.</p>	NIL
28	Innovation Economy	Enabling Innovation Synergies to Increase Singapore's Attractiveness as an Innovation Hub	<p>Singapore is known to be a high cost country, and this extends to the cost of innovating in Singapore. However, the density of companies in sectors of focus in Singapore presents opportunities to bring these companies together to derive innovation synergies that bring down the cost of innovation. This would increase Singapore's attractiveness as an innovation hub. EDB is keen to understand how global innovation hubs support corporates in addressing key innovation costs.</p> <p>As our intern, you will:</p> <ul style="list-style-type: none"> <li>(a) Identify leading innovation hubs globally and conduct a scan on innovation tools/ policies aimed at lowering the cost of innovation along value chains and in key sectors</li> <li>(b) Characterise the tools/ policies adopted by these innovation hubs</li> <li>(c) Develop hypotheses on potential approaches that Singapore could adopt/adapt for Singapore to position itself as an attractive innovation hub for corporates</li> </ul> <p>During your internship, you will have the opportunity to be exposed to strategy work and EDB's approach to innovation ecosystem development.</p>	NIL

29	Business Environment	Study on the competitiveness of EDB Incentives	<p>“Industrial policy” refers to government efforts to shape the economy by targeting specific industries, firms, or economic activities. This is usually achieved through subsidies, incentives, infrastructure development, protective regulations, and/or research and development support. Governments around the world are increasingly intervening in the private sector through industrial policies, in sectors such as semiconductor, clean energy and automobiles. Keeping pulse of the industrial policies and incentives offered by other jurisdictions would be critical to ensure our current toolkits remain competitive.</p> <p>As our intern, you will:</p> <ul style="list-style-type: none"> <li>a) Build a mechanism/tool to map out and scan the evolving landscape of industrial policies and incentives offered by key competing locations, with the use of AI tools where appropriate.</li> <li>b) Identify gaps/opportunities and recommendations to enhance competitiveness of our existing incentive toolkit.</li> </ul> <p>During your internship, you will be exposed to how global developments impact businesses and EDB's industry development efforts, and how Singapore can enhance its incentive product offerings to keep pace with competition.</p>	NIL
30	Professional Services	Generative AI in the Accountancy sector	<p>The Accountancy sector in Singapore plays a pivotal role in enabling the business ecosystem across various industries. As part of industry development, our team is seeking to explore the practical implications of Generative AI within the Accountancy sector and to gain insights into the potential applications and associated challenges.</p> <p>As an intern with us, you will undertake a research project involving:</p> <ul style="list-style-type: none"> <li>a) Conducting a landscape scan to assess the current state and shifts in the Accountancy ecosystem with the emergence of Generative AI</li> <li>b) Mapping out potential opportunities and threats that Generative AI could bring to the Accountancy sector</li> <li>c) Identifying relevant Generative AI applications and use cases within the Accountancy sector</li> <li>d) Providing recommendations on potential interventions to address identified gaps and leverage opportunities.</li> </ul> <p>During your internship, you may have the opportunity to participate in meetings with senior corporate executives in the Accountancy sector to develop an understanding of the prevalence of Generative AI and its use cases. Additionally, you may interact with stakeholders across other government agencies and within EDB (e.g., Digital Industry Singapore (DISG), IMDA etc.) to test and validate your hypotheses.</p>	Background in accountancy and/or AI will be advantageous