

Annual Report 2023/24

SG



EDB:
SINGAPORE



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*A group of scientists from pharmaceutical company
Bayer in their R&D lab.*



Chairman's Message

Amidst a challenging and uncertain global environment in 2023, EDB attracted investment commitments of S\$12.7 billion in Fixed Asset Investment (FAI) and S\$8.9 billion in Total Business Expenditure (TBE). These commitments, when realised, are expected to create 20,045 jobs with a projected contribution of S\$26.7 billion in Value-Added (VA). Our results were in large part due to the continued confidence in the Singapore economy.

These investments will bring in new capabilities and strengthen existing industries. They offer the potential for new collaborations between MNCs and local enterprises, facilitated by government initiatives such as the enhanced Partnerships for Capability Transformation scheme. Majority of the jobs created from these investment commitments will be for professionals, with over half in services industries, more than a quarter in Research & Development (R&D), and the rest in manufacturing.

We saw a good spread of investments across industries and from different geographies, thus increasing the diversity of our economic base and strengthening our economic resilience. FAI commitments were spread out across various industries, with manufacturing remaining a large contributor. We had strong showings in chemicals, electronics, healthcare and aerospace, as global manufacturers sought to strengthen the resilience of their supply chains.

Headquarters (HQ) and Professional Services projects accounted for close to 70% of TBE, reflecting Singapore's role as a services hub for the region. More global businesses are using Singapore as a base to tap into Asia's growth, while Asian companies are leveraging Singapore's vibrant business

ecosystem as a springboard to connect to the global economy. Information and Communications Technology companies were large contributors to HQ projects, reflecting the rise of the digital economy in Southeast Asia (SEA) and pervasive digitalisation across all industries.

R&D activities made up about 18% of TBE, as companies deepen their innovation footprint and expand their partnerships with the local Research, Innovation and Enterprise (RIE) ecosystem to develop products from Singapore. EDB continues to work with businesses to build and invest in Singapore-based ventures. Since 2021, our Corporate Venture Launchpad programme has helped 25 companies nurture new venture concepts in Singapore. Fifteen of these companies have plans to launch or have launched new ventures in areas such as artificial intelligence (AI), data services, and climate technology. We are also engaging global founders who can create value for Singapore through setting up new enterprises.

Looking ahead

While EDB has built up a good pipeline of projects, the operating environment and investment outlook for 2024 remains challenging. To stay ahead, EDB will focus on building on our strengths, leveraging Singapore's industry capabilities to enhance our overall competitiveness, and developing new growth areas.





Chairman's Message

First, we will grow Singapore as a critical global node for advanced manufacturing, focusing on key sectors like semiconductors, biopharma and medtech, complex equipment, and aerospace. Our aim is to attract investments that make Singapore an indispensable part of the global supply chain, so as to maintain manufacturing's share of GDP at around 20%.

Second, we will strengthen Singapore's position as the hub for Asia, tapping on SEA as a growth region. This will involve boosting Singapore's connectivity and logistics & supply chain management capabilities, making Singapore the place where MNCs and Asian enterprises can connect and do business with one another.

Third, EDB will build new growth areas – including in the green economy, the digital economy, and precision medicine – and anchor more innovation activities in Singapore. We will work with businesses to take advantage of opportunities like AI and digitalisation to increase productivity as a lower hanging fruit. At the same time, we will continue to transition existing industries, such as Energy and Chemicals, towards a low-carbon future. This is being done by unlocking opportunities in sustainable products and solutions, test-bedding new climate technologies, and creating new ventures around green and sustainable solutions.

Fourth, EDB will step up our efforts in local talent development and build a stronger Singaporean leadership pipeline. This includes working with leading companies to train or reskill locals for jobs in key sectors and new growth areas. We announced the Global Business Leaders Programme earlier this year. It will

support companies as they provide Singaporean middle to senior managers with opportunities for development and exposure to global business practices. This complements existing programmes such as the Singapore Leaders Network, a platform for Singaporeans to develop their leadership capabilities and networks, launched by EDB in 2022.

Finally, EDB is working closely with Enterprise Singapore to foster more collaborations between MNCs and Singapore businesses (large local enterprises, SMEs, and startups) and research institutions. This will further increase the competitiveness of our local ecosystem. We have seen many companies anchored here in past years, doing more to enrich the ecosystem after they have set up.

As we make moves to strengthen Singapore's attractiveness as an investment destination, I would like to extend my gratitude to the EDB team for their dedication and to our private and public sector partners for their continued trust and confidence in us. We look forward to creating more good business and job opportunities for Singapore together.

Mr Png Cheong Boon
Chairman
Singapore Economic Development Board

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2023 Performance

FAI (S\$ billion)	TBE (S\$ billion)	VA Expected to be Generated (S\$ billion)	Jobs Expected to be Created
\$12.7	\$8.9	\$26.7	20,045

- **Fixed Asset Investment (FAI)** refers to a company's incremental capital investment in facilities, equipment and machinery.
- **Total Business Expenditure (TBE)** refers to a company's incremental annual operating expenditure in Singapore (excluding depreciation). The major components include wages and rental.
- **Value-Added (VA)** measures the direct incremental contribution a company makes to Singapore's Gross Domestic Product annually, excluding multiplier effects. The major components include wages and profit.
- **Jobs** is defined as the sum of all incremental jobs created when the investments are fully implemented.

Note: Investment commitments will take place over the next five years. The investment commitment classification by industry for 2023 is based on the latest Singapore Standard Industrial Classification (SSIC 2020).



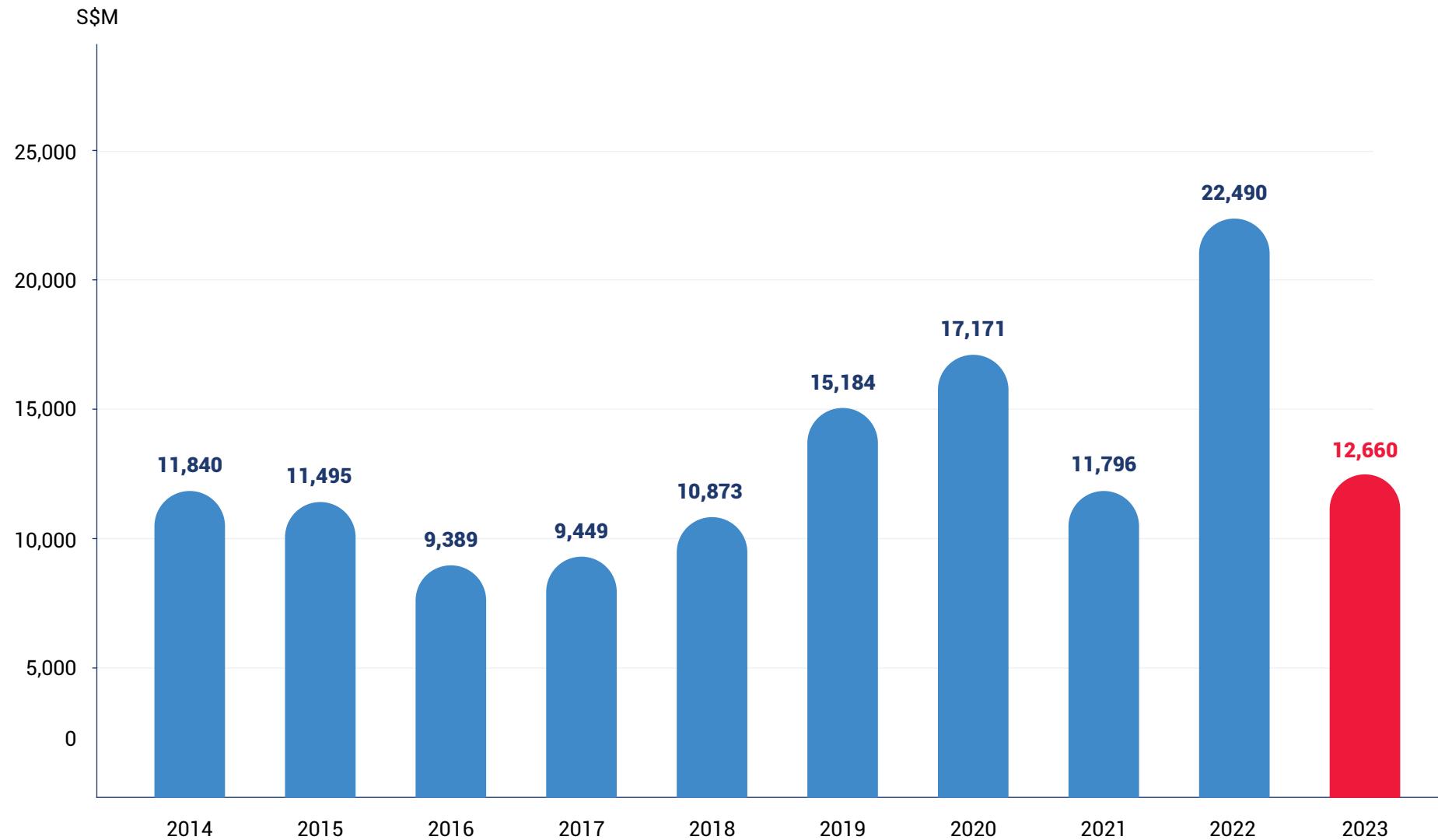
2023 Investment Commitments by Industry

INDUSTRY	FAI (S\$ MILLION)	TBE (S\$ MILLION)	VA EXPECTED TO BE GENERATED (S\$ MILLION)	JOBS EXPECTED TO BE CREATED
Biomedical Manufacturing	898	103	799	477
Chemicals	4,503	446	2,394	246
Electronics	3,060	508	982	1,201
Engineering & Environmental Services	493	99	234	617
General Manufacturing Industries	49	24	177	183
Headquarters & Professional Services	1,256	5,959	16,436	10,446
Infocommunications & Media	0	6	1	52
Logistics	107	5	5	433
Precision Engineering	147	130	147	700
Research & Development	2,102	1,576	5,502	5,367
Transport Engineering	44	53	12	323
TOTAL	12,660	8,909	26,690	20,045

Note: Due to rounding, figures may not add up to the total.



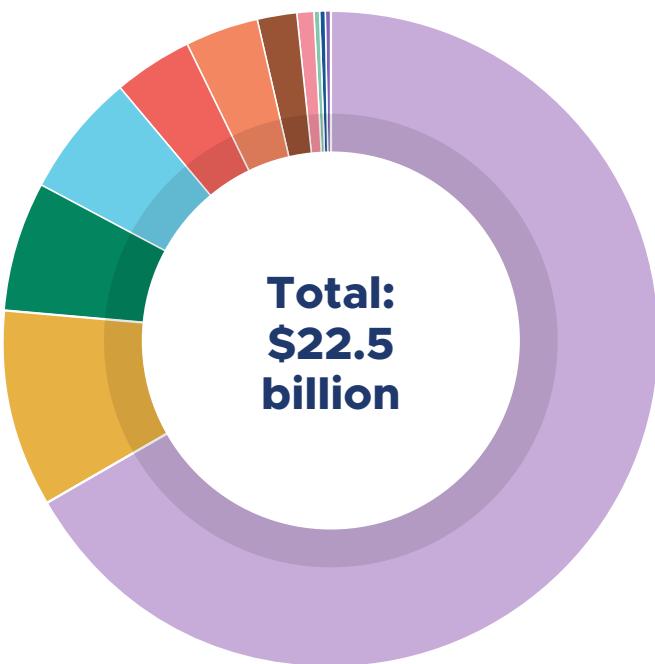
FAI Commitments (2014 – 2023)



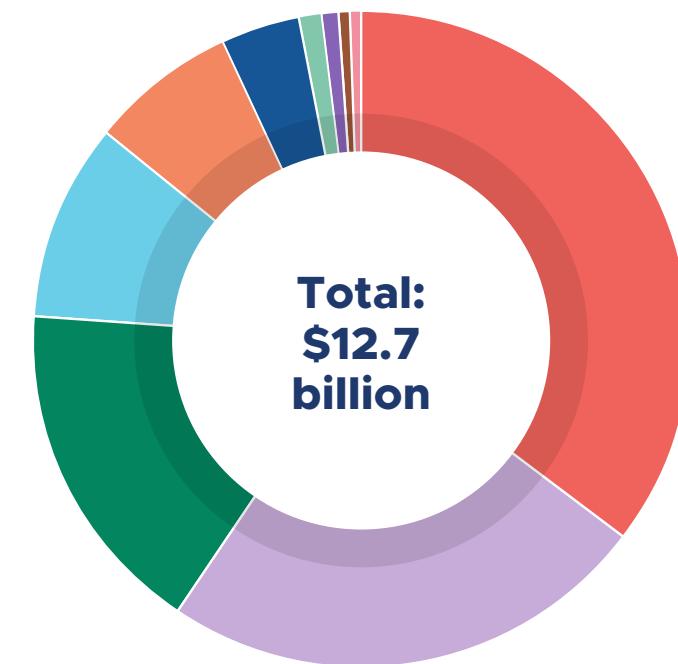


FAI Commitments by Industry

2022



2023



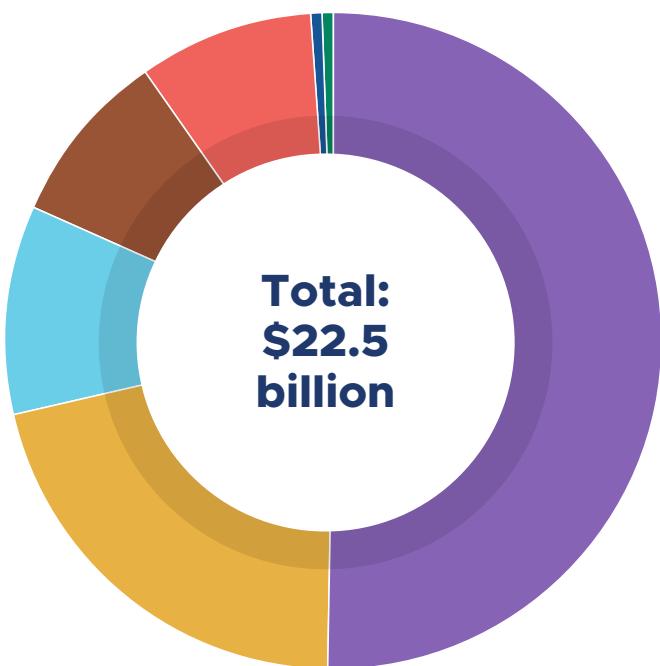
Electronics	66.7%	General Manufacturing Industries	1.9%
Infocommunications & Media	9.9%	Transport Engineering	0.7%
Research & Development	6.3%	Precision Engineering	0.3%
Headquarters & Professional Services	6.1%	Engineering & Environmental Services	0.3%
Chemicals	3.8%	Logistics	0.2%
Biomedical Manufacturing	3.8%		

Chemicals	35.6%	Precision Engineering	1.2%
Electronics	24.2%	Logistics	0.8%
Research & Development	16.6%	General Manufacturing Industries	0.4%
Headquarters & Professional Services	9.9%	Transport Engineering	0.4%
Biomedical Manufacturing	7.1%	Infocommunications & Media	0.0%
Engineering & Environmental Services	3.9%		

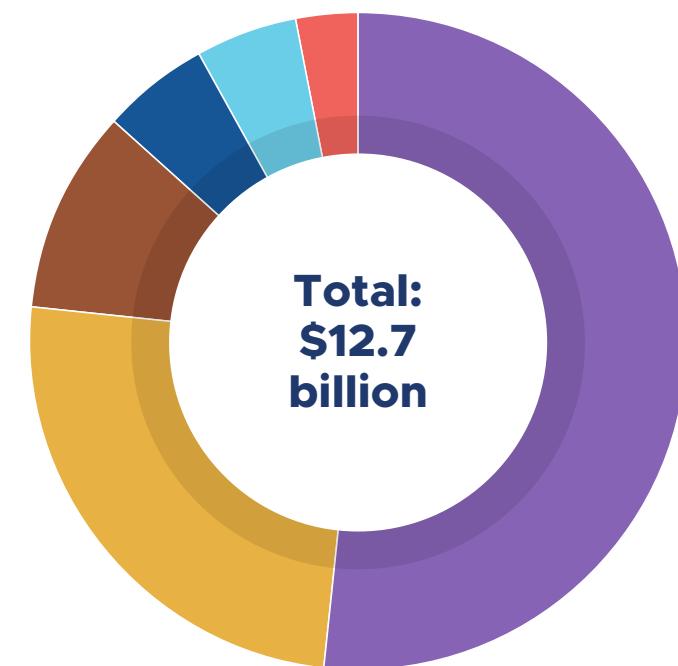


FAI Commitments by Region

2022



2023

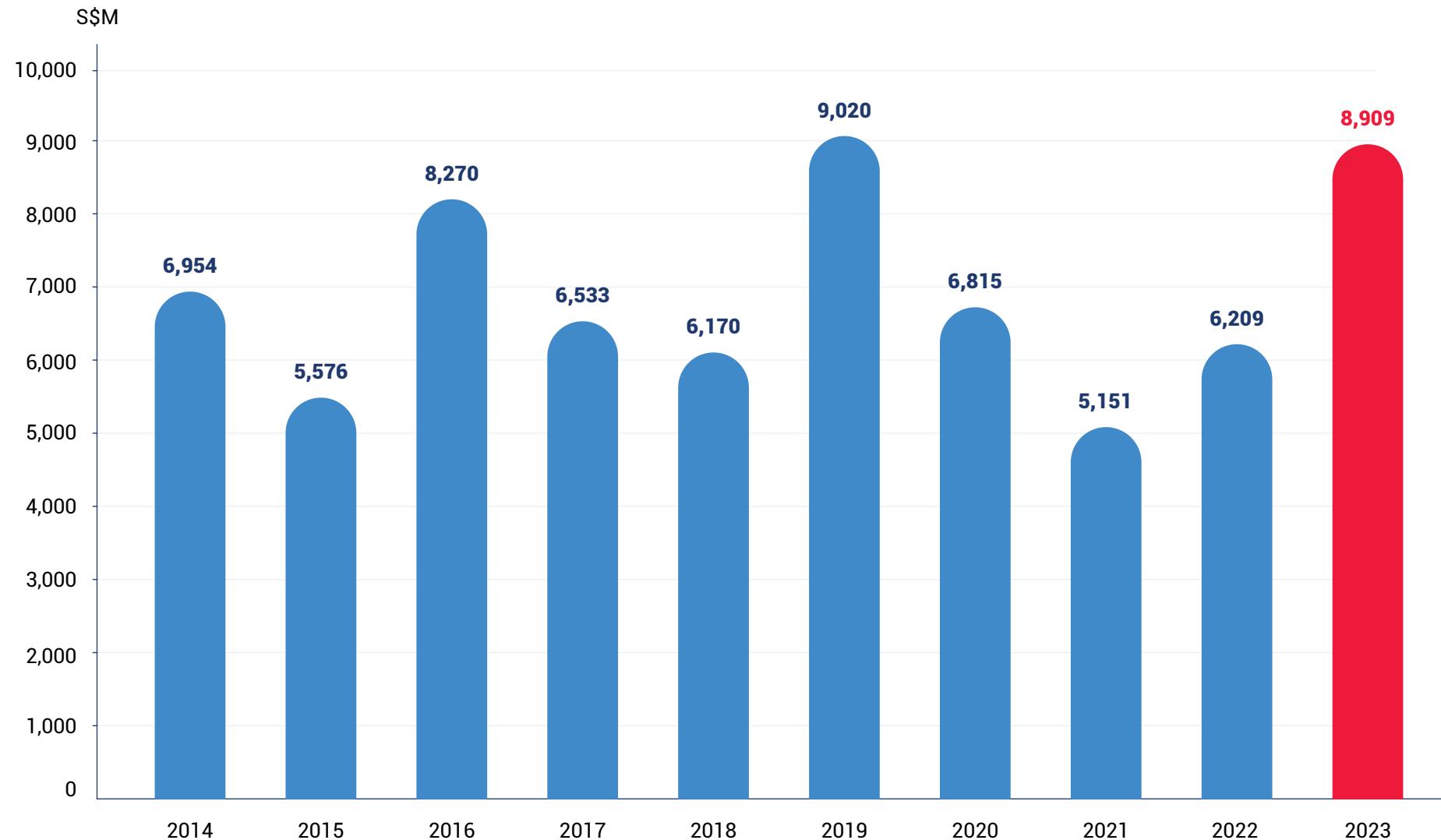


United States	50.6%
Europe	21.2%
Others	10.6%
Singapore	8.8%
China	8.5%
Japan	0.3%
India	0.1%

United States	51.9%
Europe	24.8%
Singapore	10.1%
Japan	5.4%
Others	5.0%
China	2.9%
India	0.0%



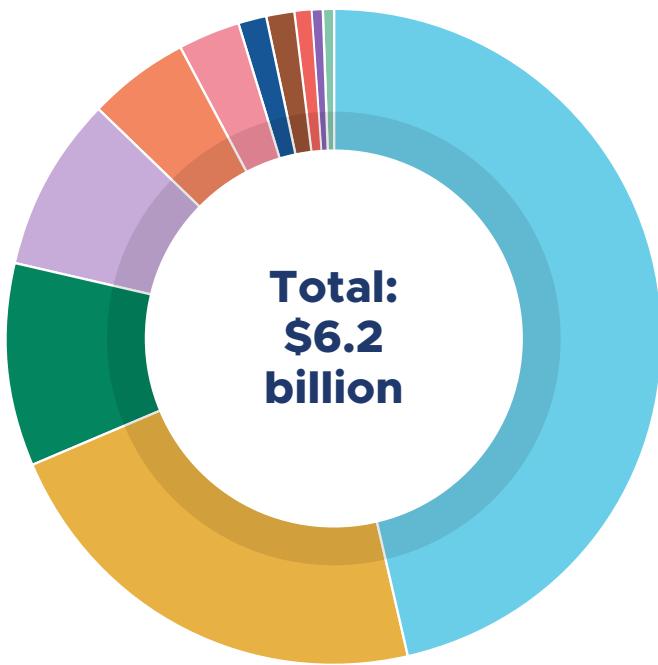
TBE Commitments (2014 – 2023)



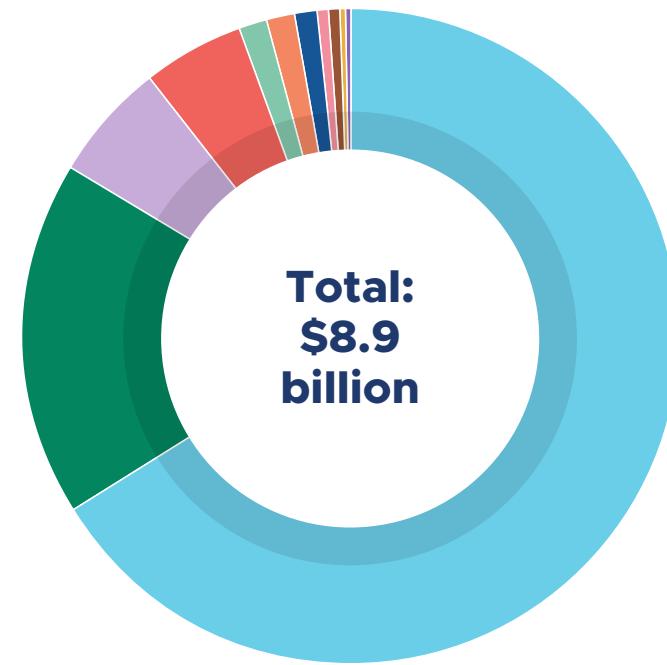


TBE Commitments by Industry

2022



2023



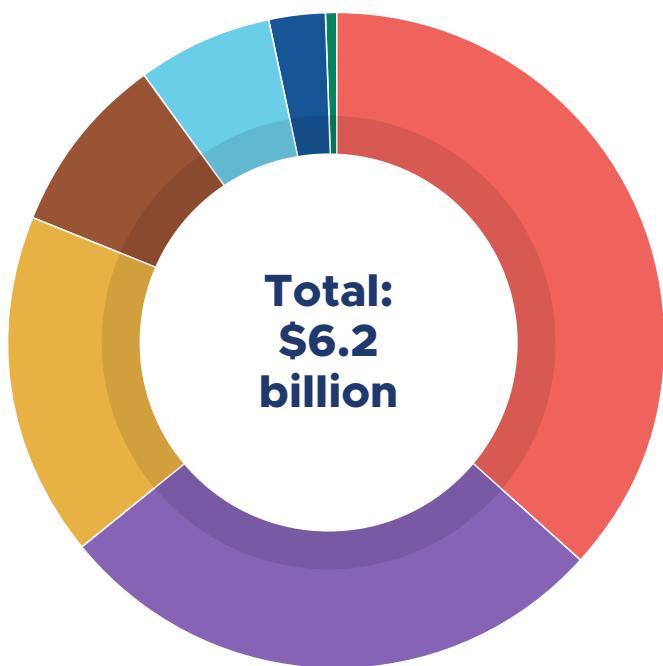
Headquarters & Professional Services	46.6%	Engineering & Environmental Services	1.4%
Infocommunications & Media	22.2%	General Manufacturing Industries	1.3%
Research & Development	10.1%	Chemicals	0.9%
Electronics	8.6%	Logistics	0.3%
Biomedical Manufacturing	5.1%	Precision Engineering	0.3%
Transport Engineering	3.1%		

Headquarters & Professional Services	66.9%	Engineering & Environmental Services	1.1%
Research & Development	17.7%	Transport Engineering	0.6%
Electronics	5.7%	General Manufacturing Industries	0.3%
Chemicals	5.0%	Infocommunications & Media	0.1%
Precision Engineering	1.5%	Logistics	0.1%
Biomedical Manufacturing	1.2%		



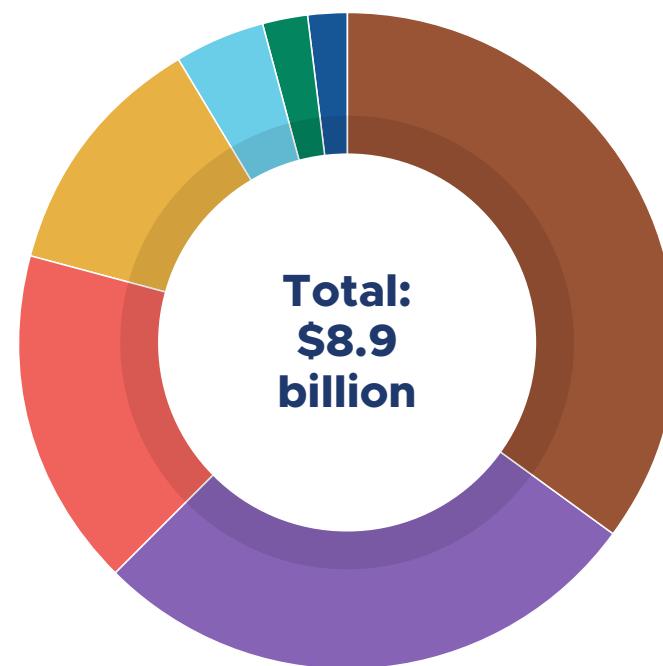
TBE Commitments by Region

2022



China	37.0%
United States	27.0%
Europe	17.1%
Singapore	8.9%
Others	6.7%
Japan	2.9%
India	0.4%

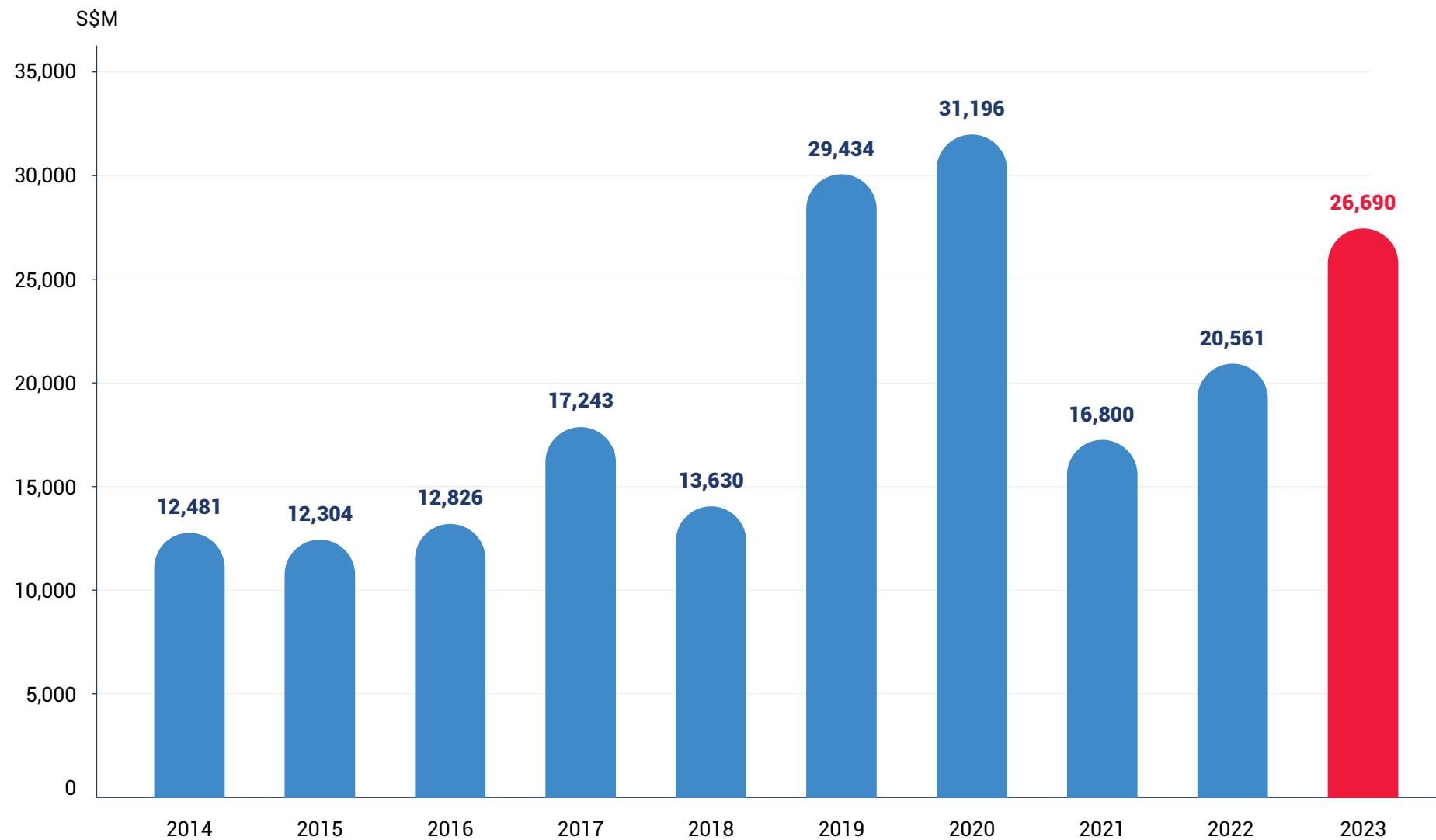
2023



Singapore	35.2%
United States	27.5%
China	16.6%
Europe	12.3%
Others	4.5%
India	2.1%
Japan	1.8%

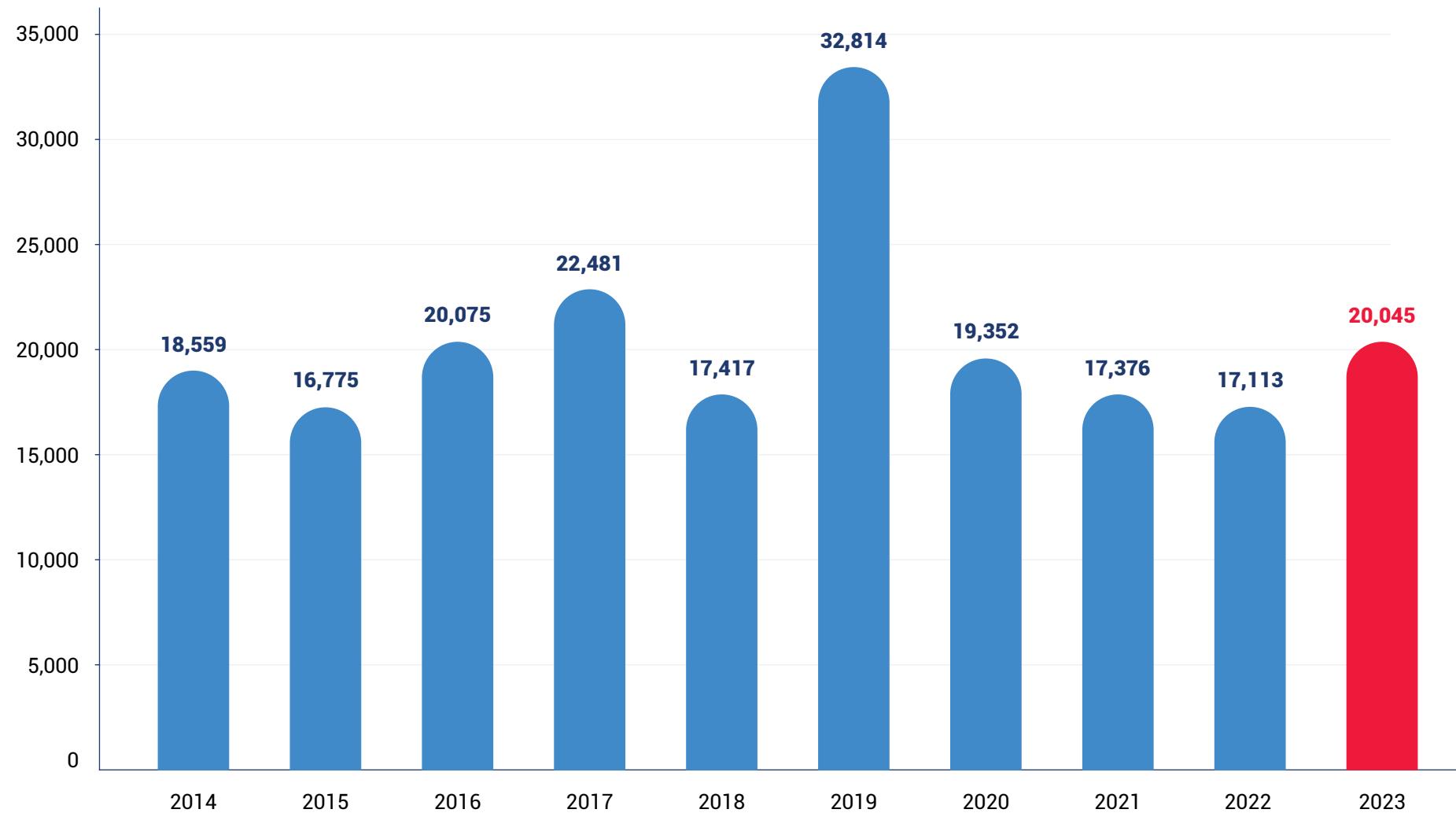


VA Expected to be Generated (2014 – 2023)



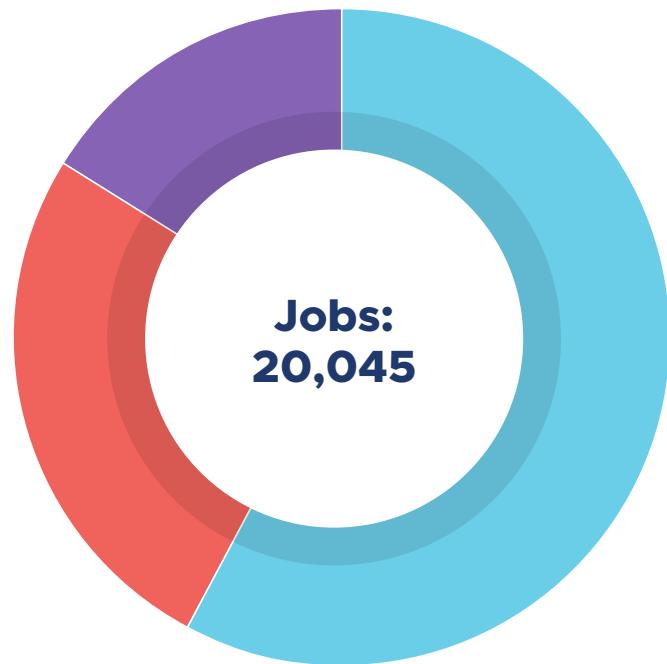


Jobs Expected to be Created (2014 – 2023)





Jobs by Project Type (2023)



- Services projects 58%
- R&D/Innovation projects 26%
- Manufacturing projects 16%

Services projects¹ include those from industry clusters such as Headquarters (HQs) & Professional Services and Logistics.

Job roles include:

- Sales/Business Development Managers
- Finance Executives
- Supply Chain Executives

Emerging roles include:

- Carbon Specialists (Engineer/Scientist)
- Regulatory Managers

¹ Previously referred to as Hub and Business Services

R&D/Innovation projects anchor R&D capabilities in Singapore.

Job roles include:

- Product Specialists
- Software Engineers
- Data Platform Engineers

Emerging roles include:

- Artificial Intelligence (AI)/Machine Learning (ML) Researchers
- Bioinformatics Scientists

Manufacturing projects include those from industry clusters such as biomedical/chemicals/electronics manufacturing, transport engineering and precision engineering.

Job roles include:

- Test Engineers
- Process Technicians
- Control Systems Engineers

Emerging roles include:

- Laser/Optics System Engineers
- Network Specialists

About the Singapore Economic Development Board

The Singapore Economic Development Board (EDB), a government agency under the Ministry of Trade and Industry, is responsible for strategies that enhance Singapore's position as a global centre for business, innovation, and talent. We undertake investment promotion and industry development, and work with international businesses, both foreign and local, by providing information, connection to partners and access to government incentives for their investments. Our mission is to create sustainable economic growth, with vibrant business and good job opportunities for Singapore and Singaporeans. For more information on EDB, please visit www.edb.gov.sg.

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