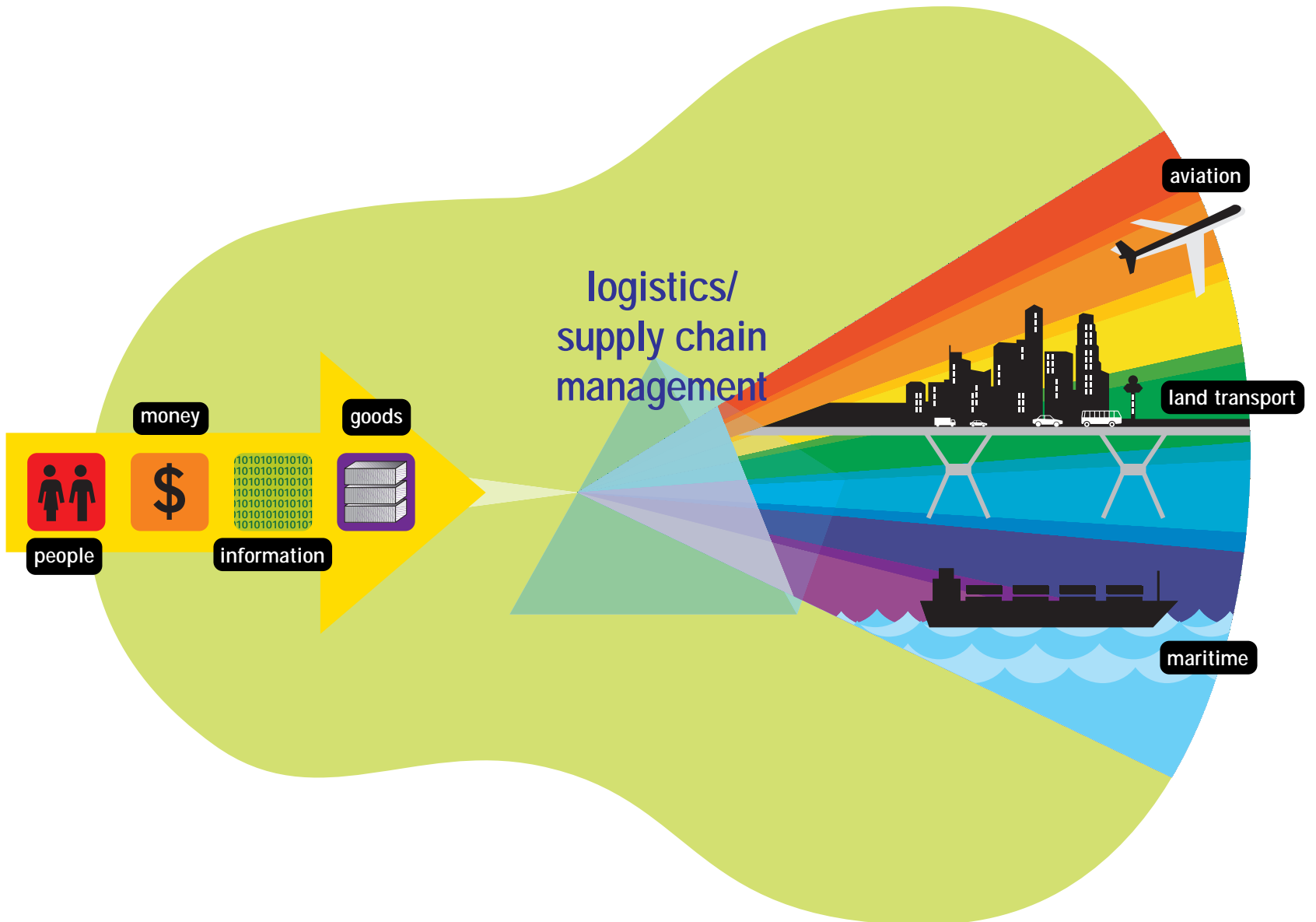


# Logistics & Transport



## SEAMLESS FLOW

The Logistics & Transport Cluster (L&T) is a smooth integration of four industry sectors – Aviation, Maritime, Land Transport and Logistics/Supply Chain Management (SCM). ➡

The Logistics and SCM service providers ensure the efficient movement of goods and services and related information across businesses. This is made possible by transport engineering technologies and services that transform air, sea and land-based carriers into efficient channels connecting companies with the global economy.

Singapore's aviation industry, made up of a critical mass of world-class players, offers excellent air connectivity, one-stop aerospace repair and overhaul services and aviation-related services, as well as component and system manufacturing.

At the crossroads of international shipping routes, Singapore continues to bustle as a maritime hub. Singapore is also a leading player in the global shipbuilding and repair markets and home to key oil & gas infrastructure and equipment companies.

In the land transport sector, Singapore hosts several regional headquarters for automotive companies, as well as development and manufacturing operations for high-value components. Efforts in R&D and testbedding include emerging transport technologies such as intelligent transport systems and alternative energy.

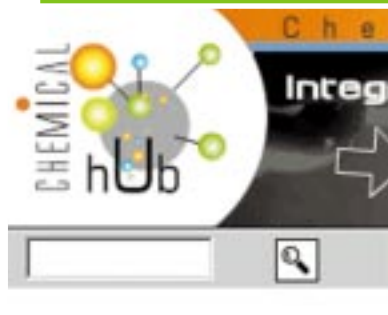
Our Logistics and SCM industry facilitates the configuration of solutions for the global supply chain of manufacturing and services industries by leveraging on our transport industry. Singapore continues to work with third-party logistics players (3PL), air cargo airlines, marine logistics integrators, supply chain software companies and manufacturers to create a vibrant industry. 📦



## SINGAPORE AERO ENGINE SERVICES

Singapore Aero Engine Services (SAESL), launched in February 2002, is a new \$200 million joint venture between Rolls-Royce, SIA Engineering Company (SIAEC) and Hong Kong Aero Engine Services

Limited (HAESL). The 18,000 sq m facility uses advanced technologies to repair and overhaul over 200 Trent engines a year.



## SCM TECHNOLOGY

SCM technology providers Aspen Tech, Cargo Web and Optimum Logistics, together with Accenture and

leading chemical manufacturers, are collaborating to develop an e-Logistics platform for the chemical industry according to CIDX standards. To anchor Singapore as a truly integrated chemical logistics hub, this platform will seek to develop an end-to-end solution for chemical logistics to improve supply chain management visibility from bulk transportation to in-plant manufacturing processes and finished goods distribution.

PROJECT HIGHLIGHTS


**YEAR IN REVIEW** In 2001, Singapore's L&T sector remained strong, achieving \$400 million in manufacturing fixed asset investment (FAI) commitment. The group was the second highest contributor to services total business spending (TBS) commitment, garnering \$430 million committed, 22 percent of total TBS. These will result in an increase of 3,150 in employment, 75 percent in professional and skilled jobs. Investment commitments are expected to generate \$900 million in value-added per annum over the next few years. Singapore's aerospace industry saw consolidated 2001 output and value-added growing 24.8 percent and 22.2 percent respectively to \$3.6 billion and \$1.5 billion. Singapore's marine industry, generating value-added of \$1.3 billion, also had a stellar run. Shipyards saw more orders for platforms and vessels supporting the oil and gas industry, with output for the industry at \$4.0 billion, up by over 40 percent from 2000.

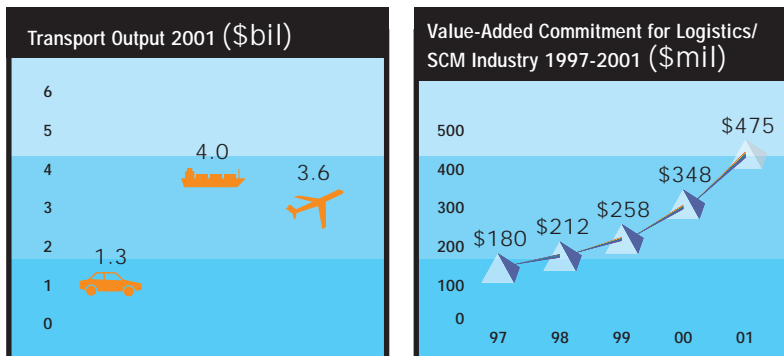
EDB continues to work with third party logistics providers (3PLs) and SCM companies to develop the Logistics/SCM

# moving ahead

industry. Ryder Integrated Logistics, the US' largest 3PL company, established its Asia-Pacific HQ here, and Menlo Worldwide became the first US 3PL to set up at the new Airport Logistics Park of Singapore (ALPS).

Several manpower programmes were initiated. The Logistics Institute of the US Georgia Institute of Technology, and the National University of Singapore collaborated on The Logistics Institute-Asia Pacific, to provide education and research in Logistics/SCM. The AeRO (Aerospace Reskilling for Operations) programme, launched in February 2001, will train workers for the industry.

**A robust Logistics & Transport cluster will strengthen Singapore's capabilities as a compelling hub in Asia for business and investment. We will develop Singapore into an integrated and connected Logistics & Transport hub that enables the effective flow of goods, information, finances and people. Moving forward, we will continue to broaden and deepen the scope of activities of the cluster for growth in areas such as aviation services, oil and gas exploration and production, distributed power, automotive electronics, and SCM. Through strengthening manpower capabilities and infrastructure, we aim to develop Singapore into a choice location for the entire value chain of Logistics & Transport activities including R&D, testbedding, manufacturing, after-market services and HQ centres.** 



All figures are based on EDB's preliminary estimates