

BOMBARDIER

**BOMBARDIER TRANSPORTATION
THAILAND**

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- Mr. Claudio Tiraferri
Managing Director

A Leader in Transportation Solutions

Bombardier Transportation is a global leader in the rail industry, who has been active in Thailand for over two decades. Beginning in 1997, they began investing in Thailand with a small team focused on rail control and signaling technology; by 2007 they had provided the first successful electronic rail interlock in the region. They have since grown their local team to over 600 highly skilled engineers and employees who have delivered projects in Thailand, the region, and globally. Their local partners include the Bangkok Mass Transit System Public Company Limited (BTSC), the State Railway of Thailand (SRT) and the Bangkok Expressway and Metro Company Limited (BEM). Its rail control systems are currently in service on the BTS Skytrain and on Bangkok’s MRT Purple Line, and on the State Railway of Thailand mainline network.

Why Thailand

Mr. Claudio Tiraferri, Head of Region Asia Pacific for Bombardier Transportation’s Rail Control Solutions Division and Managing Director of Bombardier Transportation Thailand had this to say about why Bombardier chose Bangkok for their base

of operations in Southeast Asia. “The choice of Bangkok as a base was driven by several factors, including its level of development, strategic location, and skilled workforce.” He continued, “The city had an established power system, which the company saw as a necessary foundation for developing a transportation network. Thailand is also situated in the heart of Southeast Asia with close proximity to other key markets, providing a strategic base for Bombardier’s rail control products and services in the region.”



Vision for the Future

The company is currently working to implement Thailand's first monorail systems by providing its BOMBARDIER INNOVIA solutions. This consists of trains, signaling and other subsystems for the city's new Pink and Yellow lines, as well as the city's first automated people mover system on the new Gold Line. In addition to providing their market leading technology, a key future growth area for Bombardier is in system integration and services. Railway systems are complicated; Bombardier can ensure that the many sub-components required are delivered as an integrated solution which is then supported throughout its subsequent life cycle. Bombardier was



also recently awarded an order to deliver the globally-

recognized European Rail Traffic Management System (ERTMS) Level 1 technology for mainline operations to Thailand. "Upgrading to ERTMS is an excellent and proven choice for Thailand to provide improved safety and reliability of services, plus integration between systems from different companies, allowing for easier network development," Mr. Tiraferri said. "The standard can also facilitate cross-border transport and trade, as it can enable seamless transitions for trains and freight to other similarly equipped rail systems."



Supporting Policies from the Government

The government of Thailand has long supported the growth and development of the electronics industry, as well as the rail and logistics industries, which all form an integral part of the country's development as a high-tech manufacturing and transportation hub, particularly for import/export driven enterprises. The government currently has many large infrastructure improvements under way which will enable the Kingdom to maintain its leadership position in the region while enhancing its ability to be a global leader of product manufacturing and distribution. Included in their current ฿895.8 billion (\$25.2 billion) development plan are 36 major infrastructure projects covering rail, roadways, air transport and seaport expansions, which will further interconnect all regions of Thailand and enhance connections to neighboring countries, putting Thailand on track to be a regional rail and transportation hub.

Attractive BOI Incentives

The Thailand Board of Investment (BOI) has been an integral part of Bombardier's growth in Thailand. The BOI first approved Bombardier's investment application in 2014, providing tax and import benefits, supporting business development, and facilitating the company's efforts to bring in international experts to grow local knowledge and introduce advanced technology to the market.

For companies considering forming new or expanding existing businesses in Thailand, the BOI offers a wide range of tax and non-tax incentives for projects that meet national development objectives. Tax-based incentives include an exemption or reduction of import duties on machinery and raw materials, as well as corporate income tax exemptions of up to eight years. Non-tax incentives include permission to bring in expatriates, own land and take or remit foreign currency abroad.

Recognizing the special importance of the electronics sector, tax incentives are granted to approved projects in numerous activities, including electronics design such as microelectronics and embedded system design; electronic products and parts using advanced technology, for example telecommunication equipment; electronic parts for medical devices/automotive/industrial works, hard disk drives, and solid state drives; materials for microelectronics such as wafers and materials based on thin-film technology; and advanced technology

electrical appliances. In addition, the government's cluster policy has encouraged companies with related activities to physically locate together by providing them additional tax incentives and other support, thus facilitating joint R&D activities, improving supply chain logistics, and creating opportunities for other cooperative ventures.

Additional information about specific activities relating to the electronics industry can be found by clicking [here](#) or contacting the BOI's Investment Promotion Division 4.
