



*Prompted by generation replacement in personnel, CSC's IT reengineering project accelerated the company's overall transformation.*

### Business challenge

China Steel Corp. (CSC) saw the turn of generations as an opportunity to upgrade its IT environment, which was an integral part of its corporate transformation, and to find better ways to tap into its rich historical data. The reengineering was a huge task, involving the rewrite of nearly 200 applications. The job was particularly daunting because the COBOL-to-Java mapping could not interrupt any of the company's day-to-day operations.

### Transformation

By deploying an open systems platform on the Linux operating system, CSC can now carry out real-time analytics. For example, using decades of production and transaction data to simulate steel prices, the solution can create a pricing model for production based on fuzzy analytics. By comparing current and historical conditions, CSC can optimize pricing, better manage supply chain and grow revenue.

### Business benefits

**15%**

#### reduction in expenses

by limiting software licensing costs, which helps reduce the company's total cost of ownership (TCO)

**60x**

#### increase in system speed

reducing to 10 seconds operations that previously took as long as 10 minutes to complete

**40%**

#### increase in efficiency

of hardware through increased data size, allowing the solution to process five million records daily

## China Steel Corp.

China Steel Corp. (CSC) is the largest steel company in Taiwan, with more than a 50 percent share of the domestic market. With annual production in terms of crude steel around 10 million tons, CSC produces a range of products that includes plates, bars, wire rods, and hot and cold rolled coils.

### Solution components

- IBM® DB2® Analytics Accelerator
- IBM Global Technology Services® – Systems Services
- IBM Integrated Facility for Linux
- IBM zEnterprise® BC12

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