

COMPETITIVE ANALYSIS

THE PUBLIC SECTOR

Singapore Institute of Standards and Industrial Research (SISIR)

SISIR is the government agency which promotes and upgrades quality and technology in the manufacturing sector. SISIR employs experts in electronic, mechanical, civil and industrial engineering.

Novo Technology Development (SISIR's commercial investment subsidiary) specializes in promoting and developing joint ventures with foreign firms to encourage technological innovation and applications for commercial use. SISIR has targeted the following high technology fields with commercial potential:

- Materials Technology
 - Metals technology
 - Plastics technology
 - Chemical technology
 - Surface technology

- Microprocessor Applications
 - Factory floor communications
 - Equipment control
 - Machine vision
 - Imaging technology and testing

- Product and Process Technology
 - Electrotechnology
 - Electronics testing
 - Mechanical technology
 - Food technology

SISIR actively pursues technology transfer for Singapore. The International Development Research Center (IDRC) of Canada is cooperating with SISIR in a project studying the needs of four priority manufacturing sectors: plastics, metal stamping, electrical and electronics, and food. As of 1988, 70 businesses have received this consulting service. Three specific programs were born from this exchange:

- Quick die change technology for the metal stamping industry
- Electro discharge machining technology for the precision-engineering industry
- Quick mould change technology for the plastic manufacturing industry