

Indonesia Milo production facility expands PT Nestlé's market share



CLIENT

Nestlé is an iconic international brand producing and supplying a vast array of food and beverage products throughout the world.

OBJECTIVES

Nestlé contracted Wiley to establish a Milo production facility within the company's existing dairy product manufacturing compound at East Java.

CHALLENGES

- Undertaking deep excavation in poor ground for basement construction
- Meeting Nestlé's demanding standards for construction, safety and quality of the finished facility while maintaining ongoing dairy production in adjoining facilities
- Supervising and directing the Indonesian labour force to achieve required construction standards
- Interacting between Wiley head office design staff in Brisbane and Nestlé resources in Indonesia and Europe
- Operating with restricted access for construction within the existing manufacturing environment
- Working on a site in a remote area two hours from the metropolitan area of Surabaya.

SOLUTIONS

Advice

- Detailed construction planning and methodology
- Introduction of alternative materials typically not used in the industry.

Design

- Compliance with Nestlé internal corporate detailing

- Effective communication between Wiley design team and Nestlé engineering/design resources
- Localising of the design as appropriate
- Provision of all building related design disciplines
- Innovative design to allow for future expansion and equipment access.

Engineering

- Close coordination with Nestlé engineers and equipment suppliers to facilitate efficient equipment installation.

Construction

- Direct subcontracting of all construction trades
- Supervision and direction of the local labour force by expatriate site managers
- Construction of:
 - a two-level basement housing a 3.25m deep batching room and a 5m deep hopper room
 - the ground floor, comprising warehouse, batch tipping, filling room, control rooms and mixing and rework areas
 - the first level, comprising raw material silo room, the finished product silo room, power rooms and air handling unit
 - the second level, comprising silo gangways and platforms to the three two-tonne silos and the 130-tonne dryer and eight-tonne vacuum plant.

RESULTS

Completion of the 3,600m² facility that allows Nestlé to expand its share of the growing specialty processed food market in Indonesia and South East Asia.



WILEY