

Pulau Indah Sewage Treatment Plant

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| Location | : Port Klang, Selangor, Malaysia | Capacity | : 160,000 (P.E.) |
| Client | : Indah Water Konsortium | Commencement Date | : May 2000 |
| Consultant | : KTA (Sarawak) Sdn. Bhd. | Completion Date | : May 2003 |



Introduction

Another milestone to the Wastewater segment of Hydro-Trent (M) Sdn. Bhd. would be the sewage facility project for the Regional Sewage Treatment Plant & Associated Facility of Phase 2C Taman Perindustrian Pulau Indah In Klang.

This Pulau Indah sewage treatment plant is located near the North Port in Port Klang. This facility is designed for a development project catering for a population of 160,000 (P.E.)

This sewerage system is one of the first in Malaysia where a vacuum system is utilized for the transferring of waste water into the treatment plant.

Project Scope

The scope of work for this project is to set up the DAS (Data acquisition system) for plant monitoring purpose. The extents of works for DAS include the followings:-

1. To supply and install field control cabling from the field control panels to the DAS system panels.
2. To supply and install the programmable logic controller (PLC), remote terminal unit (RTU), controller, personal computer, printer, modem, system communication cabling, hub and etc.
3. To supply, install and set up the licensed software for the DAS.
4. To design, configure and programming the necessary graphics and man machine interface (MMI) to the satisfaction of owner.
 - Graphic pictorials based on the process flow diagram and electrical single line diagram.
 - Trend displays each comprising of each analog signals.
 - Guidance messages.
 - Alarm list.
 - Binary status list.

5. To terminate the control cables in the field control panel and system cabinets after carrying out loop check.
6. To carry out testing and commissioning of the complete DAS system to the satisfaction of the owner.
7. To provide training for 2 of the operating maintenance staff in all aspects of the operation and maintenance of DAS equipment in the scope of supply.

