

## Project Reference P180

## Submarine Pipeline



## Samalaju Submarine Pipeline

**Project**

Procurement, Construction & Testing of Marine Outfall Pipeline for Tokuyama Malaysia Polycrystalline Silicon Manufacturing Plant in Samalaju Industrial Park, Bintulu, Sarawak.

**Client**

Chiyoda Malaysia Sdn Bhd

**Contract Sum**

RM14,500,000

**Contract Period**

July 2011 ~ June 2012 (12mths)

**Client's Engineer**

Jurutera Jasa (Sarawak) Sdn Bhd

EPC Contractor Chiyoda Malaysia engaged SYS to supply and install the wastewater marine outfall for its polycrystalline silicon manufacturing plant in Bintulu.

This includes 1,000m of onshore and 800m of offshore HDPE pipes, ending in diffuser outlets at -3.8m CD seabed. The entire offshore pipeline was weighed down with concrete sinkers. Pipes 300m nearshore was buried in rock trench while the remaining 500m sat on seabed.

**Works includes**

- Supply 1,800m L x 630mm OD PE80 PN12.5 HDPE pipes.
- Install onshore pipes 1,000m L x 630mm OD up to seafront; inclusive of 6 units of post indicator gate valves.
- Install offshore pipes 800m L x 630mm OD up to seabed of - 3.8m CD; outlets comprising 15 nos. x 150mm diameter duckbill valves.
- Rock trenching 4m maximum depth x 300m long at sea with Dipper Dredger.
- Construct navigation light tower to mark the marine outfall.

