



### Malacca 2,242 MW CCGT - Ongoing

#### Project

Malacca 2,242 MW CCGT: Procurement, Construction and Commissioning Malacca 2,242 Megawatt Combined Cycle Gas Turbine Power Plant – New Box Culvert Construction at Edra Power Plant, Alor Gajah, Melaka.

#### Client

Hyundai Engineering Malaysia Sdn Bhd

#### Contract Sum

RM 159,598,496.80

#### Contract Period

1 Mar 2023 – 28 Feb 2025

#### Owner / Employer

CGN Edra

Scope of works comprising of soil improvement works, dredging, marine piling, supply and install concrete box culverts and tie-in works to connect the new intake culverts to the existing intake culverts.

#### Cooling Water Intake Culvert (1066m Length)

|                      |                                    |
|----------------------|------------------------------------|
| Double Cell Culverts | 80 nos<br>919m length x 8.3m width |
| Single Cell Culverts | 8 nos<br>147m length x 4.35m width |
| Intake Head          | 6 nos                              |
| Access Shaft         | 20 nos                             |

#### Major Quantities for Intake Structure

|                                    |                       |
|------------------------------------|-----------------------|
| Dredging                           | 205,000m <sup>3</sup> |
| Crushed Stones backfill Materials  | 10,000m <sup>3</sup>  |
| Armour Rock                        | 3,000m <sup>3</sup>   |
| 1000mm dia. Prestressed Spun Piles | 172 points            |
| Precast Concrete Pilecaps          | 172 nos               |
| Concrete                           | 10,500m <sup>3</sup>  |
| Rebar                              | 2,200 tons            |
| Deep Cement Mixing (DCM)           | 93 points             |

#### HDPE Chlorination Pipes

|                          |         |
|--------------------------|---------|
| 315mm OD                 | 1,100m  |
| 160mm OD                 | 1,200m  |
| Precast Concrete Ballast | 742 nos |

