an EnerSys Company

Callide Oxy Fuel

Overview

The project was tendered through Tamco Electrical Ind. Australia, who required a Switch Room to facilitate a gas drilling operation set up in Biloela, Queensland. They approached ICS with the main goal being a Switch Room that could accommodate M.V Racks, M.C.C Racks and other assorted racks that would monitor the plant. Our aim was to not only design a Switch Room that would house this but also determines what heat loads would be emitted by the equipment so that we could accommodate with the right cooling system.

Features

Openings in the floor and cable ladder connected to both walls and underside of the ceiling helped run cables both out of the underside and the top's of the equipment for a concealed and well-designed look. We have also added additional ICS Switch-boards to run lighting G.P.O's and A/C systems.

Overall, the design and manufacture of the job were a complete success in the eyes of the customer.

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Outcome

Even from the design stage, the project was always going to be a challenge due to the dimensions of the room. Measuring in at 14.4 meters long by 4.35 meters wide, it would be testing boundary limits with not only the size of the shelter build but also its transport size.

ICS engineered solutions on how to lift a shelter this size and weight, then tie it down to the truck bed without exceeding size limits and restrictions. The large size of the base was also a challenge.

The solution, making the base in half, then bolting it together for easier transport to the factory to begin the construction.

A significant challenge in the job was locating the customer supplied electrical panels within the shelter, to a very demanding tolerance level along the panels.

However, the ICS production team met the challenge and the customer was delighted with the accuracy of the alignment of the installed panels. The entire build was well organised and precisely done, in keeping with ICS standards.