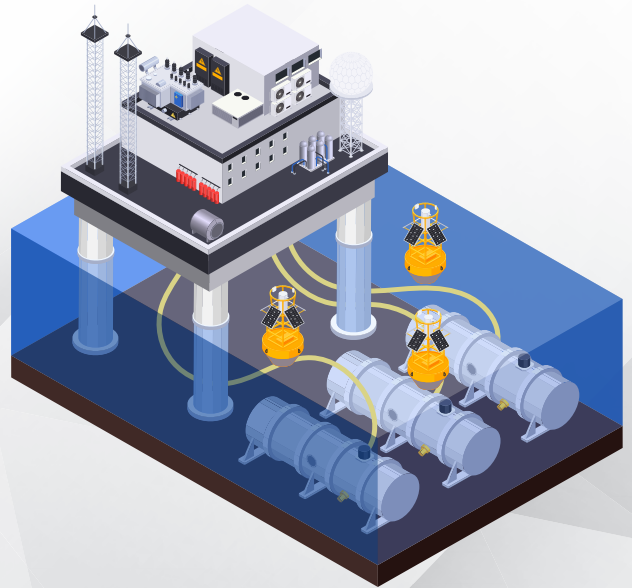


# Design and Development of Cooler unit for a High Voltage Welding Machine



## The Client & Industry

American Swedish welding and cutting equipment manufacturer based out of India

## Project Scope

To develop a cooler unit to cool the TIG torch of 215 Amp Welding Machine

## Inputs

- Temperature State of the existing welding machine
- Cooling requirement
- Machine Configuration

## Project Highlights

- Creating block diagram and Hydraulic schematic
- Selection of Pump, Fan and radiator with appropriate back round calculations
- Placement of Components and hose routing within specified Housing
- Trouble shooting & problem solving for field complaint , Assembly line & Quality complaints
- Test validation as per IEC standard

## Deliverables

- CAD model and Manufacturing drawing as per customer standard
- Air flow and Thermal verification report
- Test Report as per IEC standard