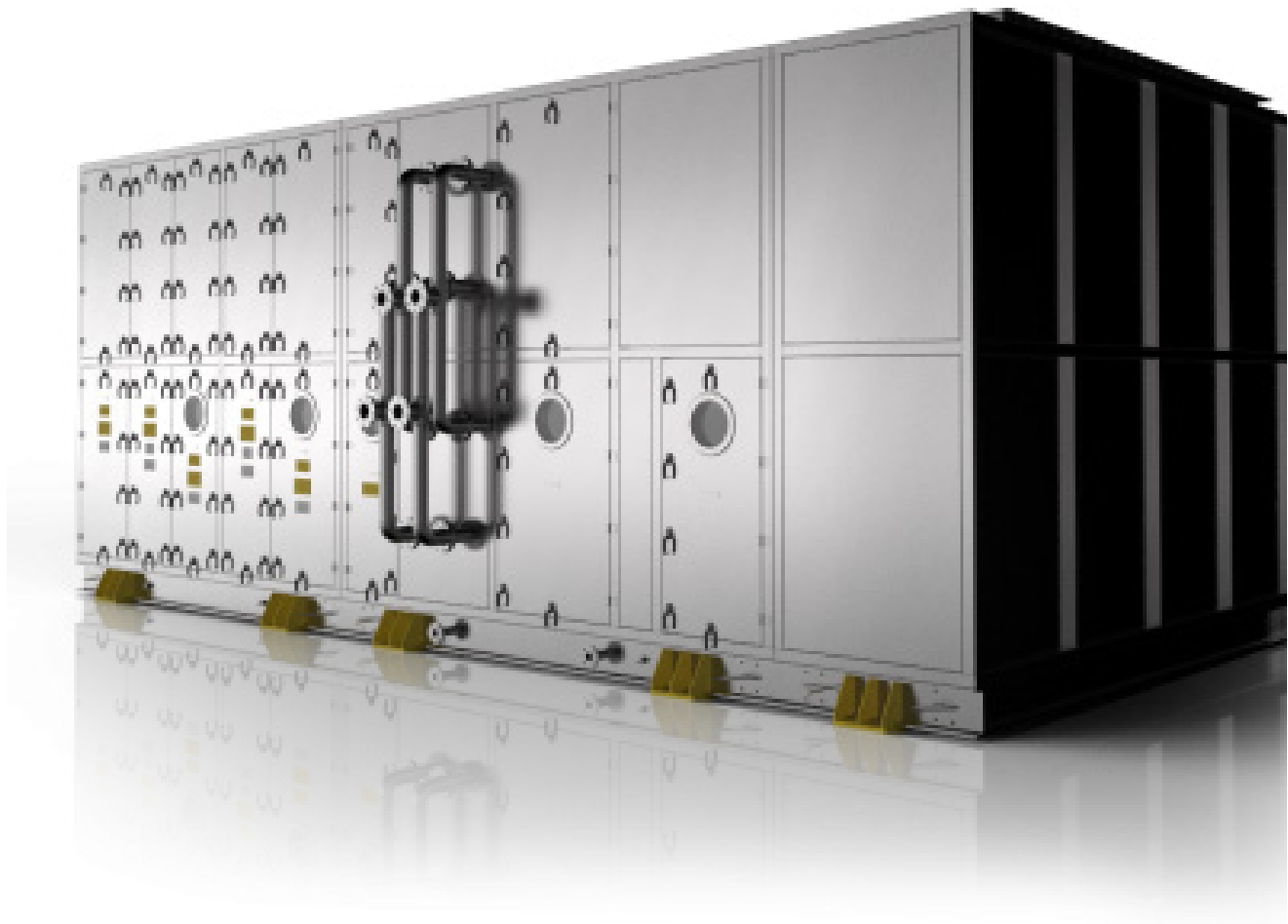


## Replacement Air Handling Unit

**Case Study**  
EDF Energy  
Sizewell B

Wozair Ref: W8232



## Scope of Work

One off replacement AHU, intake filter coalescer & electric frost heater.

Safety Cat 3 system serving security office, with all equipment located within the Turbine Hall.

The AHU was supplied in three sections to allow installation and positioning via goods lift.

## AHU Features

- Air Volume: 9.46m<sup>3</sup>/s
- Stainless Steel 304 internal panel skins
- Goosewing Grey Plastisol external panel skins
- Anodised Aluminium framework

## AHU Componentst

- FA / RA Mixing box: Pneumatic dampers with GSS casing & SS304 blades  
PMV P5 positioner & HYTORK actuator
- Filter Section Veotec F8 to EN779: 2012
- CW Cooling coil Split design. 245kW. Cu tubes, CuSn fins, Stainless Steel 304L case
- HW Heating Coil Split design. 187kW. Cu tubes, CuSn fins, Stainless Steel 304L case

## Intake Filter Coalescer Features

- Location: Fresh Air Supply Duct
- Model: Veotec CP5
- Air Volume: 9.46 m<sup>3</sup>/s
- Frame materials: 316L Stainless Steel
- Filter Grade: M5 to EN779: 2012
- Filter Media: Polypropylene Fire Rated F1 to DIN53438-3
- Filter Header: Incinerable Plastic (Stainless Steel in option)

## Electric Frost Heater Features

- Location: Fresh Air Supply Duct
- Heating Duty: 23 kW
- No of Stages: 1
- Power Supply: 400V / 3Ph / 50Hz
- Control: By others
- Element Material: Stainless Steel
- Casing/JB Material: Stainless Steel 304
- JB IP Rating: IP66
- Element Surface T: 400oC Max
- Protection 1 x Auto Reset TSH / 1 x Manual Reset TSHH

## Original AHU Photos



Cooling Coil Corrosion



Internal damper corrosion



External flooding around cooling coil

## Replacement AHU Photos



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