



Case Study

Royal Cornwall Hospital Treliske, Truro Pharmacy Dept

A large air handling unit with corrosion damage to the intake, collapsed plate heat exchanger, clogged heating and cooling coils, case air leaks and deteriorating fans with motors out of airstream.

The heat exchanger had collapsed due to the high differential pressure between supply and extract airflow. Due to limited access the inlet louvre, silencer and ducting had to be removed to facilitate the refurbishment.

The inlet section, damper, frost coil, filter section were stripped out and replaced with new components and panel plating. The two supply fans were removed and replaced with direct drive centrifugal 'plug' fans complete with inverters. This enabled the duty of three fans to be ramped up to maintain the duty in the event of one failing. The plate heat exchanger was replaced with a new unit capable of high differential pressure.

Once works completed the AHU was chemically deep cleaned and a photographic report provided. The works were done predominantly over a weekend to minimise inconvenience in the building served.

Contact us

Unit 7 Stag Business Park,
164/166 Christchurch Road,
Ringwood, Hampshire,
BH24 3AS

Telephone:
01425 475384

Email:
sales@ahs-ss.uk.com

www.ahs-ss.uk.com

ahs  TM
(Specialist Services) Ltd