

## **GAS TURBINE FILTER HOUSE**

The filter house (FH) contains both separators (1st stage) and filters (2nd stage). The FH's are offered as both 2 and 3 stages depending on the service and the customer preferences, and are mostly a combined combustion and ventilation type FH.

The FH serves both systems, but the filtered air is separately ducted to each system after 1st stage. The FH are compact design making use of "filter bags" to obtain more surface area in a compact shape. This results in smaller overall dimensions.

Normally our FH use the innovative WIDE Infinidry (IFD) filter system.

The Wide IFD System needs only two stages – Separator followed by WIDE Infinidry Filter Bag. The secret is that the IFD Bag drains the water – moisture out of the air inside the bag – and the drains it out forward – upstream of the bag. By designing the system this way no water or salt drop on the duct floor behind the bag or enters the air stream downstream to the gas turbine.

The total pressure losses are very low and the filtration efficiency is high – meets the GE-IDM for LM type gas turbines.



**Sleipner T – new filter house in our workshop ready for delivery**



Grane – PGT25+ filter house