



## SAFRAN HELICOPTER ENGINES

### CONTEXT

**Customer :** SAFRAN  
**Sector of activity :**  
AERONAUTICS AND DEFENCE

**Location :** France  
**Year :** 2015

**Equipment installed :**  
N-DHR Scroll digital 400  
\*Filtres CF300 M, S

**Description of the equipment :**  
Direct expansion dryer

**Total capacity :**  
N-DHR 400 de 3660 m<sup>3</sup>/h + Filtres

### THE CUSTOMER

Safran, world leader in the manufacture of helicopter engines, has a high value production site in Tarnos. In order to optimise energy consumption and industrial performance, the company chose to invest in the latest technologies to equip its variable-flow compressed air line, which is essential to the operation of its machine tools and manufacturing lines working in 5\*8 shifts, with few shutdowns during the day.

To meet these requirements, CTA's N-DHR 400 Digital Scroll dryer, with CF300 M and S filters, was selected for its ecological and economic performance. Thanks to its SCROLL DIGITAL compressors, it automatically adjusts its operation according to the needs of the process, thus reducing compressed air wastage and optimising energy consumption. When the production line is paused, the dryer stops, avoiding any unnecessary consumption.

By integrating this solution, Safran benefits not only from a significant reduction in its consumption of compressed air and electricity, but also from lower maintenance and investment costs. The N-DHR 400 Digital Scroll dryers are less stressed and offer a 20% longer service life, guaranteeing greater profitability and optimum reliability for industrial equipment.

