

CASE STUDY IDB



Client's Field of Activity Office construction for companies

Business Challenges

- Reduce drying time
- Respect the schedule imposed by the client

Technical Challenges



- Lower the humidity level in the atmosphere of a room recently built to dry a concrete slab
- Improvement of working conditions
- Removal of water-related damage (condensation, mold)

Products – Solutions And Services brought by DESSiCA



Products

- Provision and installation of an adsorption dehumidifier type DT-2000 mounted on frames with wheels and equipped with lifting rings, especially design for a temporary use.
- The DT-2000 works by adsorption with a high performance silicagel desiccant rotor continuously reactivated. The dehumidifier has a dehumidification capacity 11,9kg/h for 20°C and 60% relative humidity and an air flow 2000 m³/h.
- The DT-2000 works by adsorption on a continuously regenerated high performance silica gel desiccant rotor.
- The industrial dehumidifier is supply in power thanks to the general building electricity meter.

Products – Solutions and Services brought by DESSiCA



Installation

- The dehumidifier has been installed on the ground floor easily access (without lifting and handling equipment) thanks to wheels. A duct network has been installed to blow dry air on the 1st floor and reject humid air outside the building.

Support and services

- Rental equipment is regularly maintained and checked by DESSiCA technicians.
- This solution requires a simple maintenance : the regular change of air filters for long-term rentals.
- The lifespan of a desiccant wheel is 8 to 12 years depending on use.

Key benefits and return on Investment (ROI) for IDB



- The installation provided by DESSiCA and its mode of operation fully met IDB's expectations.
- The rental allowed IDB to dry wet materials more quickly and thus meet the imposed schedule.
- The rental period was initially planned for 2 months and the IDB company satisfied with its relations with DESSiCA.



HEADQUARTER
30 allée des artisans
Parc d'activités de Fétan
01600 Trévoux- FRANCE
Phone: +33 (0)4 74 08 44 44
contact@dessica.fr
www.dessica.fr/en