

# CASE STORY

## Irrigation TURKISH HABOM



Turkish Airlines has, in the past decade, become one of the world's fastest growing and most influential players in global aviation. The airline has steadily grown its network and now has service to more cities than any other carrier. Its fleet has expanded as well, giving Turkish Airlines one of the world's most modern.

Turkish Technic, a subsidiary of Turkish Airlines, is responsible for the maintenance, repair and overhaul (MRO). In July 2014, a new MRO facility, named HABOM, was opened at Istanbul Sabiha Gökçen International Airport. With its 380000 m<sup>2</sup>, it has the capacity to provide simultaneous maintenance, repair and overhaul services for 11 narrow body aircraft in the dedicated narrow body hangar and 3 wide body aircraft in the wide body hangar.

The rain water filtration system of HABOM has been built by Mempa. The raw water source is rain water collected from the building's roofs and from drainage lines. The raw water is fed to three Bernoulli filters, BSG 400 equipped with 1,0 mm filter baskets, by six pumps (3 in service + 3 stand-by) with the capacity of 2000 m<sup>3</sup>/h. The filtered water is used in reservoirs and irrigation of green fields.

### Facts and figures

Customer: Turkish Technic

Location: Sabiha\_Gökçen

Airport, Turkey

Application: Rain water filtration

Filter model: 3 x BSG 400

Filtration: 1,0 mm

Operating flow: 3 x 2000 m<sup>3</sup>/h

Operating pressure: 3 bar g

Design pressure: 6 bar g



**BERNOULLI**  
SYSTEM