

### **SPRAY DRIER DEDUSTING FOR INORGANIC MATERIALS PRODUCTION**

For a significant producer of inorganic materials, MikroPul supplied a Mikro-Pulsaire dust collector plant with 3.240 filter bags.

The design of the filter ensures a reliable plant operation with clean gas emission levels permanently below 15mg/m<sup>3</sup>, whereby 99.9% of the product dust is separated and recovered.

To achieve an evenly distributed gas stream, diffusors were installed in the raw gas inlet area, leading to a decrease in flow velocities. This results in a longer bag life and a better filter performance.

The filter housing is made of robust, high-grade steel containing chromium and nickel.

A high quality needle felt with individual fiber coating was chosen as filter media which provides very high filtration efficiencies.

In addition, MikroPul delivered raw gas and clean gas ductworks, 6 screw conveyors for discharge and all related steel structures.

A sophisticated planning process, combined with a good customer relationship resulted in a reduction of the scheduled erection period of about 14 days.

