

## MZR A SUCCESS FOR FRENCH GALVANIZER



Hot dip galvanizer, Société Bretonne de Galvanisation (SBG) located at La Chapelle-Caro, France, is one of eight companies in the French Prestia Group, centered in the Brittany and Normandy areas of northwest France.

Four of these companies are hot dip galvanizing facilities: SBG; Galvalek; Galvacaux and Galva 29. The other factories in the group undertake painting and metallization operations.

SBG processes around 30,000 mt/yr of steel for a wide range of market applications including aeronautics, building and construction, railway, marine vessels and general engineering.

As Jean-Marc Dumaillet, Pyrotek France Sales Engineer, explains, SBG is currently building a new plant adjacent to its existing facility and plans to dismantle the old one upon completion.

When originally installed, the current galvanizing kettle was one of the largest in Europe, with dimensions 16.9 m(l) x 2.0 m(w) x 2.6 m(d) (55.4 x 6.6 x 8.5 ft). The new replacement kettle will be intentionally smaller to suit the company's product strategy going forward.

SBG acquired a Pyrotek Metallics MZR-750 about 13 years ago and, encouraged by its performance, has now decided to invest in a new unit for the new plant. The new MZR will initially be set up in the old plant and then moved to the new facility when possible. Following the move, the old MZR will be transferred to the parent group's Galvalek factory in Normandy.

SBG treats only surface skimmings in the MZR using ammonium chloride and zinc chloride fluxes, present in the ashes. The recovered metallic zinc metal contains some residual iron. The ingots produced, weighing 560–640 kg (1235–1411 lb) are returned directly into the kettle.

Over the last eight years, SBG has treated 2700 mt of dross and recovered 1930 mt of pure Zn, realizing an average recovery of 71%.

### TESTIMONIAL

SBG reports that it is still very satisfied with the MZR-750 installed 13 years ago and is willing to act as a reference for other prospective customers to highlight the process advantages and benefits of using an MZR unit.



*View of MZR Drum at the side of the kettle; ashes are directly transferred from the kettle into the drum*



*Overview of the MZR without its roof*