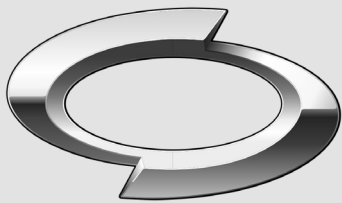


Renault Samsung Motors

Location: **Asia** Partner: **FirePro Korea** Application: **Electrical Panels** Industry: **Automotive**



Renault Samsung Motors (RSM), is a South Korean car manufacturing plant located within Busan's Sinho regional industrial site. It was first established as Samsung Motors, with technical assistance from Nissan. In 2000, it became a subsidiary of Renault and adopted its present name, while Samsung maintained part ownership. RSM covers 1,650,000 m2 and is able to manufacture 300,000 cars per year.

The Task

Design, supply and install bespoke fire suppression systems to protect all solar panel related Electrical Panels and Substations. Strict RSM requirements called for a modular, low footprint, low maintenance total flooding automatic fire suppression technology. The system should be certified and designed according to the precise requirements of each individual space and local regulation. It also needed to be able to extinguish different classes of fire since the variety of materials within the enclosures can become fuel.

FirePro Systems Used

FP-40, BTA

Why FirePro?

FirePro possess numerous certificates and listings, issued by some of the most prestigious US & EU listing and certification bodies. FirePro technology is capable of extinguishing A, B, C, E classes of fire and can fit easily in small enclosures such as Electrical Panels. The FirePro Units despite their small footprint in terms of space requirement they nonetheless, have a high fire suppression efficiency that marks them as probably the best possible solution. Modularity, efficiency and compliance with industry standards being decisive factors.

Risks Involved & Consequences

In 2013, Renault Samsung Motors completed the installation of solar panels in the parking lots, rooftops and adjoining property of its Busan facility to build a 20-MW solar plant - one of the biggest in the world. They provide energy to the RSM operations and nearby houses. These key assets are an essential component of RSM's overall operations. Protecting the Electrical Panels contributing to an uninterrupted production process is critical. Fire inside these panels can potentially cause collateral damage and disruption to business operations.



Results of Implementation

Renault Samsung Motors Fire Safety Engineers decided upon the FirePro fire suppression solution since it firstly fulfilled all the operational and technical considerations prerequisite for this most challenging of projects as well as for having minimal maintenance costs. FirePro Korea designed and successfully completed the installations swiftly. Now, in case fire breaks out, it will be extinguished within seconds reducing down-time to a minimum.

