

Medium Voltage Soft Starters for the Power & Utility Industry

Application: Driving water pumps
Motor ratings: 4160V, 800A, 5MW
End User: Empresa Generadora de Electricidad Haina SA
Location: Dominican Republic



In the Dominican Republic power utility expansion was inevitable. Texas-based consulting engineers needed a heavy duty solution for starting two 4160V, 800A motors but with the latest in pump control features. In addition, the equipment needed to operate in harsh ambient conditions including high temperatures of 50°C (122°F) without derating while holding up in the humid and salty environment of the islands.

Solcon provided the ultimate solution: the HRVS-DN high-end medium voltage soft-starter.

The HRVS-DN features superior pump control software which eliminates the mechanical shock to the pump and the damaging effect of water hammer, protecting the water pipes, joints, check valves and other mechanical components. The built in MPS Motor Protection package provides comprehensive protection to both the motor and the soft-starter. All HRVS-DN PC boards are conformal coated (as standard) to protect against the harsh environmental issues typically found in this type of this installation.



4.5MW at 4160V (800A) x 2 HRVS-DN for water pump at Electricidad Haina SA, Santo Domingo, Dominican Republic