CASE STUDY No 18

Project
Sulphate of Potash
Water Pumping & Controls

Client
Kalium Lakes Limited
Western Australia

Overview:

World population is expected to rise from 7 billion in 2020, to 9.6 billion by 2050 and to around 11 billion by 2100. This will drive an increasing demand for food production and fertiliser usage, to increase crop yields and replace nutrients in the soil. The three essential nutrients for plant growth are nitrogen (N), phosphorus (P), and potassium (K). Potassium is the key regulator in controlling critical plant processes such as photosynthesis and regulation of the plant's water content. A major source of Potassium is Sulphate of Potash (SOP) which can be extracted from naturally occurring complex ores or brines, via evaporation or chemical methods. Kalium Lakes Limited (KLL) is developing a major SOP project in Western Australia. Our Envirada specialist pumping group Electrical Systems Engineering have worked closely with KLL to design and implement the brine & water pumping control systems.

Features:

- Skid mounted Brine & water pumping stations
- Power and control systems with remote telemetry
- Engineering design & fabrication by Electrical Systems Engineering
- Integration with Control & Monitoring Systems

Electrical Systems Engineering provided water & brine pumping & control systems.

Contact us

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