

Reach the PINNACLE of **Performance** and **Reliability**



Driving Automated Fluid Pumping Systems Right at the Touch of Your Fingertips

When AEC Industrial Solutions was designing its automated fluid transfer pumping systems, it had to solve a variety of challenges and fulfill complex requirements. Not only must these systems have the ability to variably control flow rate, fluid pressure, and tank levels, but the design was targeted for use across multiple industries including mining, environmental, wastewater, municipal, construction, and oil and gas. That's where Fuji Electric came in – we were able to work with AEC Industrial Solutions to overcome these hurdles.



Ruggedness is Critical to Reliability

The mobile panels endure traveling down hundreds of miles of rough roads across North America. Additionally, these systems have to be able to work in temperatures ranging from -50°C in Northern Canada to +50°C in West Texas. So, rugged components are required to create an equally rugged electric water pump solution that is being operated, day-in and day-out. Fuji Electric's FRENIC-MEGA AC drives and Monitouch HMI were the perfect solutions. Deployed in some of the harshest environments, FRENIC-MEGA drives offer robust operation with a standard three-year warranty.



Upgrading to Latest Technology

AEC Industrial Solutions has used Fuji Electric's proven Monitouch V9 Series HMI devices, in addition to Fuji Electric's FRENIC-MEGA variable frequency drives and Omron PLCs in its centrifuge applications. So, when it came to designing this new panel, ease of migration, features, performance, and reliability were key. The wide aspect ratio and high resolution of Fuji Electric's new Monitouch X1 widescreen HMI fit all of the criteria. In fact, it uses the same V-SFT software to reduce design time. This gives mobile operators the ability to alter settings based on changing variables from job to job. Remote access offers customers access to real time data as well as the ability to provide over-the-air updates. All of this makes the Monitouch X1 a win-win for operators and customers alike.



About Fuji Electric Corp. of America

Fuji Electric Corp. of America is a wholly owned subsidiary of Fuji Electric Co., Ltd., and has been responsible for sales and distribution of the company's products since 1970. Fuji Electric Co., Ltd. began developing power electronics equipment in 1923, and is a global leader.

About AEC Industrial Solutions

AEC Industrial Solutions is Western Canada's premier industrial solutions provider. AEC has developed an esteemed reputation as a service oriented, value added distributor, integrator and manufacturer of Automation, Electric & Control packages.