

MER's Contribution to the Port Moller Rebuild

by Bob Allen

Peter Pan Seafoods' Port Moller facility is a 100+ year old remote salmon processing (freezing) plant serving the Alaska Peninsula fishing fleet. During peak production they maintain a crew of 140 people. Being a remote facility, the plant is totally self-sufficient, providing all housing, food, electricity, water, fishing vessel supplies and support.

After the plant suffered major damage from a fire in August 2017, Peter Pan needed to rebuild in order to continue to serve their fishermen and the nearby communities that depend on them. A new state-of-the-art facility was engineered, fully modernized conforming to applicable building codes with increased daily throughput and cold storage capacity.

In order to modernize the facility, Peter Pan needed to replace everything that had been destroyed, including the entire dock, fish handling - off load system, cold storage, process building, refrigeration, ice house, and the power generating facility. The new power house and electrical distribution system feed the onshore support operations, new office facility, as well as the processing plant.

BKR Construction Services was chosen to rebuild the facility including the docks, buildings, infrastructure, and commissioning of the facility. It was a huge undertaking in the time frame allowed, not to mention the scrutiny of the insurance budget.



New Diesel Electrics



Port Moller after the rebuild.



Power house control Console, remote access screen & monitor panel displaying all five generators in sync.

In support, MER supplied six MegaWatts of power and the fully automated distribution system.

The goal was to maximize fuel economy and plant efficiency. The integrated system allows for automated or manual remote control of the five generator engines and distribution breakers in various combinations depending on feedback from the Logix system operating the refrigeration compressors and the processing capacity required.

All engine and generator parameters can be remotely monitored and/or controlled manually via local operating panels on each generator or by a remote internet connection accessible from anywhere in the world.

After the devastating loss Peter Pan planned to be competitive and back in

full operation in 2019. MER worked closely with the BKR engineering staff on specifications to make that happen. Due to the sheer size of the project, purchases by BKR actually increased the worldwide cost of 4 x12 treated decking. After 264 days of construction, commissioning operations were put into full process mode on June 20, 2019.

The Port Moller project was a monumental effort by Kern Roberts and the exceptional crew at BKR along with their dedicated sub-contractors.

MER is proud to have been a piece of the puzzle that came together for Peter Pan Seafoods in the summer of 2019.



Power Distribution panels with automation.