

Case Study: Condition Monitoring Panels

How the Right Partner Turned One Successful Job Into Two

Completing a Condition Monitoring System for a Metal Fertilizer Processing Plant

Our team frequently collaborates with trusted partners to complete customer jobs. The results of these successes are often twofold—The customer sees our team as a trusted service provider and is likely to recommend us to other customers for similar jobs. One instance of this collaboration was in our recent condition monitoring panel projects.

Recently, our team completed a condition monitoring system for a Canadian metal fertilizer processing plant's turbine. We worked closely with SKF, a trusted Motion partner, to complete this project.

"This project strengthened our partnership with SKF," said Ian Miller, Division Manager for Motion in Canada. "SKF didn't have the capacity to build the infrastructure around their product. We have a panel shop, so we were able to build out the rest of the condition monitoring panel."

SKF's engineering group completed the pre-commissioning for this job, streamlining the installation process. This project increased the expandability of the customer's system from eight sensors to 64, allowing them to expand and communicate with their AMS.



Figure 1: This project increased the expandability of the customer's system, allowing expansion and greater AMS communication.

Optimizing Rotating Equipment for an Oil Sands Facility

Soon after this job's completion, an engineering firm contacted SKF about implementing a similar condition monitoring panel for one of Canada's largest oil sands deposit sites.

“This engineering firm wanted to use the SKF platform for their application,” Miller said. “SKF told them that they would need to work with us as well because we’re the group who knows how to support this. The customer reached out to us. We quoted them on the condition monitoring panel and won the bid.”

Our team worked with SKF to complete the assembly, programming and commissioning of several condition monitoring panels for this oil sands facility customer. With on-site temperatures as low as -40°C , these panels were fully insulated with heating and cooling mechanisms. The engineering firm was thrilled with our initial panel installations, going on to request a total of 16 panels from our team and SKF.

“We’re the only ones who can do this kind of commissioning because of this partnership with SKF,” Miller said. “Now, any time an opportunity like this comes up, we can fully support our customers. We’ve found a niche in these IIoT projects that have become incredibly rewarding for us.”



Figure 2: Malcolm Steel, Electrical Account Specialist for Motion and one of the project’s leads, pictured with the customer’s final product.

Contact Our Team

Our Motion Repair & Services team is ready to assist with your condition monitoring panel needs. To learn more, [head to our website](#) or [contact us today](#).