



SASKATOON JOHN G. DIEFENBAKER INTERNATIONAL AIRPORT

Black&McDonald

Saskatoon Airport Authority Hold Bag Screening (HBS) Baggage Conveyor Maintenance Contract

CLIENT

Saskatoon Airport Authority

LOCATION

Saskatoon, Saskatchewan

PROJECT DESCRIPTION

Saskatoon Airport Authority (SAA) needed a predictive and preventative maintenance program using best practices, technical innovation, and a highly skilled team of supervisory and field staff.

B&M SCOPE OF WORK

SAA wanted a peace-of-mind solution to maintain its Hold Bag Screening (HBS) system, with a partner that would protect its interests. It was looking for a provider that would use best practices and innovation to not only maintain the system, but provide wisdom from a predictive program to schedule a busy facility and find long term fixes to potential problems. When the chips were down Black & McDonald (B&M) was chosen to take care of the situation.

BENEFITS TO CLIENT AND PROBLEMS SOLVED

B&M is providing a predictive and preventative maintenance program drawn from years of experience and knowledge. B&M is maintaining the system with fully licensed in-house electricians based in the Saskatoon office. The team built a plan based on manufacturer specifications, extensive experience, and its history with similar systems.

B&M developed a plan that exceeded the manufacturer's expectation. Its technicians completed daily walkthroughs, including completing checks, minor adjustments, and a cleaning schedule. This helped B&M reduce minor issues escalating into major problems. The plan also helped B&M lead the SAA in conducting shut downs when required to mitigate down time.

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INNOVATIVE PROCESS AND TECHNOLOGY USED

Yearly Shut down

B&M provides SAA with a yearly shut down with a modified schedule to suit the customer's operating hours. The shutdown allows a thorough system check, looking for hidden defects and to conduct a comprehensive system cleaning.

Thermal Imaging Scanning

B&M's technical team used advanced thermal imaging technology to scan components such as motors, bearings, and electrical components to build a baseline of the operating temperatures. Utilizing this information, B&M was able to help predict when a component would malfunction. This helps B&M to assist the client in planning a shutdown to mitigate any downtime to the facility.

Remote Login

B&M's technical team has the ability to login remotely to the HBS system. This gives the technicians the ability to remotely check the system for faults, and with communication with the onsite staff, reset or bypass minor or nuisance faults until the technician can arrive onsite. The result is that the airport has the ability to keep the system operational until the technician arrives onsite.

B&M's technical team also has the ability to operate the system from their mobile devices while onsite through a protected WIFI system, giving them the ability to turn the system on and off to help troubleshoot the system while onsite.

