



Case study

Deicing pad capacity study

For Toronto Pearson Airport

Insights

The Greater Toronto Airport Authority (GTAA) engaged with Copenhagen Optimization to create a capacity assessment of the Central Deicing Facility (CDF) – the largest deicing facility in the world with room for deicing of 12 aircraft simultaneously.

The aim of the study was to assess the current demand for deicing pads to understand whether the current capacity is sufficient.

The study included a thorough analysis of all assumptions applied in the capacity assessment, including deicing times under various weather conditions.

Several options for optimizing the deicing pad operation was identified through the study with the main initiative identified being an improved distribution of trucks per aircraft.



Kasper and his team once again provided a comprehensive analysis of our processes and facilities that clearly identified our Central Deicing Facilities' current and potential capacity. Results were clearly outlined and easily understood by all levels of our organization and key customers."

Darin Juby,
Associate Director,
Toronto Pearson International Airport



The results

- Significantly increased understanding of the capacity of the CDF at all organizational levels
- Valuable insights to the deicing pad operation in different weather conditions created
- Fact-based dialogue with airlines established