

# Unlocking Hidden Capacity: GTA Pharmaceutical Leader Defers Major Chiller Upgrade



Client: Multinational Pharmaceutical Manufacturing Facility, Greater Toronto Area (GTA)

## The Challenge

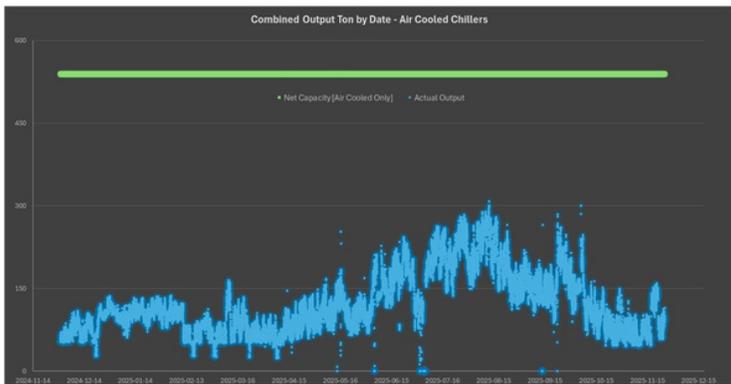
The facility faced chilled water shortages during peak periods, impacting GMP-critical areas including coating pans, vector machines, and granulation suites. These zones failed to meet required humidity setpoints and design flow rates, threatening production targets.

Leadership considered a major modular chiller expansion.



## Our Approach

Excel deployed rapid, non-invasive lean measurement tools within days, gathering peak capacity and flow data over two months



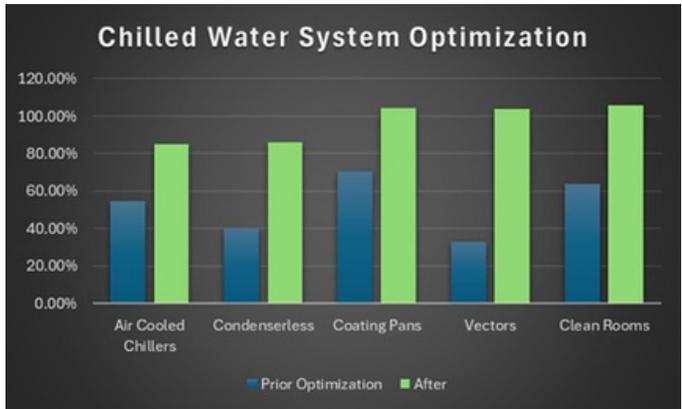
## Key Discovery

Only 350 tons utilized out of 750-ton capacity, with low delta T primarily from system-level installation oversights.

As the client's full-service engineering partner, we conducted targeted corrections in the following two months.

## Results & Impact

- 71% capacity increase: Utilization rose from 350 to 600 tons without new equipment.
- GMP areas achieved full humidity setpoints and design flow rates
- Deferred capital expenditure (modular chiller addition not resolving root issues).
- Enabled confident production expansion.



## Client Testimonial

"Excel was able to quantify and optimize our ailing chilled water system, enabling us to implement production expansion with increased confidence and avoid unnecessary capital upgrades."

— Plant Manager & Senior Engineering Consultant  
Multinational Pharmaceutical Facility (GTA)

**Ready to uncover hidden efficiency in your systems? Contact Excel for a no-obligation consultation.**