

# CLIENT SUCCESS PROJECTS

# UNIVERSITY

COOLING TOWER REPLACEMENT

## About Us

The TurboChyll Company has served the commercial office, healthcare and plant services sector with HVAC maintenance, repair & solutions for over 25 years.

## The Challenge: Fan Motor Shaft Failure

The client informed TurboChyll the cooling tower's fan motor shaft had finally failed, rendering the system non-operational. Due to the extent of the damage and the age of the equipment, a full cooling-tower replacement was required. The project demanded engineered plans, structural evaluation, and a complete system upgrade to restore reliable cooling performance.

## Client Five Star Review



“ Rockefeller University housing have been working with Turbochyll for over 15 years, and they've consistently delivered outstanding service. Their team is quick to respond, and every repair is done right the first time. They've saved us significant money over the years by extending the life of older equipment instead of pushing unnecessary replacements. Their pricing is always fair, and the staff is knowledgeable, professional, and a pleasure to work with. Highly recommend. ”

Vitodjvtone Piscitello

## The *TurboChyll Company* Solution

TurboChyll engaged both a mechanical engineer and a structural engineer to develop detailed drawings and construction plans. After the project was awarded, **TurboChyll**:

- Safely removed and disposed of the existing cooling tower
- Installed new structural steel per the engineered specifications
- Furnished and installed a new cooling tower on upgraded steel platform
- Added new variable frequency drives (VFDs), spring isolators, electrical panels, and chilled-water piping with new insulation
- This full-scope installation ensured proper integration with the building's existing systems and long-term reliability.



Demolition



Insulation



New Cooling Tower

## Delivered Results and Value

The client received a fully modernized cooling tower system designed for improved performance, energy efficiency, and durability. The upgraded structural platform and new mechanical/electrical components ensure increased system stability, reduced maintenance needs, and reliable cooling capacity for years to come.



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