

Lab & production services  
Chemical Management

# Success story

## Chemical inventory management

### IMPROVING RISK MANAGEMENT AT A LARGE UNIVERSITY

#### PROBLEM

A large university's Department of Risk Management and Safety needed to implement a campus-wide, container-based chemical tracking system to monitor and report all chemicals on campus at any given time, with zero margin for error. The estimated quantity of chemical containers was between 80,000 and 100,000 across a campus with over 400 buildings. The university had requested annual sales reports from its major suppliers to monitor inventory, but these reports took a long time to obtain and combine and in the end, the assembled data did not show a true state of inventory.

#### SOLUTION

Avantor Services provided a team that used state-of-the-art inventory management and tracking software to assemble full-spectrum data on all chemicals and chemical waste on campus. This team, consisting of 10 workers with laboratory and/or hazardous waste experience, was led by a scientist with a Ph.D. and managed by one of Avantor Services Lean Six Sigma-trained Business Process Consultants.

#### PROBLEM

A large university was struggling to effectively monitor and report all of the chemical containers on campus.

#### SOLUTION

Avantor Services gathered data on all chemicals and chemical waste on campus.

#### RESULTS

Avantor helped the university inventory 444 labs in 12.8 weeks while staying 34.1% under budget.



**RESULT**

The university now has an effective, sustainable tracking system in place to comply with comprehensive federal security regulations established by the U.S. Department of Homeland Security's Chemical Facility Anti-Terrorism Standards. The Avantor Services project was completed ahead of schedule, under budget, and with minimal disruption to the staff and students.

Metrics	Estimated	Actual
Project Duration	22 Weeks	12.8 Weeks (64 Work Days)
Budget	Confidential	34.1% Under Budget
Labs/Rooms Inventoried	400	444
Containers Handled	80,000–100,000	103,257
Containers Barcoded	Unknown	34,400



Are your scientific resources being wasted on non-research activities?

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