

# CONFIDENTIAL CLIENT



INDIANA | USA  
3 YEARS | \$3.2MM PROJECT

## FULL-SCALE OPERATIONS FOR A BIOLOGICS CMO



Commissioning  
& Qualification



Building  
Commissioning



Asset Management  
& Reliability



Quality, Compliance,  
& Regulatory



Human  
Performance



Process &  
Manufacturing Technology



Program & Project  
Management



Automation &  
Information Technology



The Chemistry of Full-  
Scale Operations™



Data  
Centers

### WHEN YOU NEED TO MEET A HIGHER STANDARD™

#### OVERVIEW

CAI partnered with a contract manufacturing organization (CMO) to help deliver the automation and information technology systems for their \$115MM brownfield capital program in Indiana, USA.



#### PROJECT

CAI managed the specification, design, construction, and qualification of \$10MM worth of automation and information technology systems. CAI delivered all systems on time, within budget, and in a user-compliant, validated state. CAI also specified and qualified a Syncade Manufacturing Execution System (MES) including electronic batch records, material management and dispensing, electronic document management, and equipment management.



#### PEOPLE

CAI delivered a Syncade MES which included training and development modules to support staff performance.



#### PROCESS

CAI specified and qualified a DeltaV implementation which had to be flexible enough to accommodate multiple product lines. The system had over 10,000 points.



#### FACILITY

CAI specified and qualified the implementation of Maximo Computerized Maintenance Management System (CMMS) for over 5,000 assets. CAI also specified and qualified a Building Automation System (BAS) with approximately 2,500 points.



#### QUALITY

CAI helped this client leverage their Maximo system for quality management purposes with specifically designed, quality-based workflows. CAI specified and qualified functions which support the Client's customer complaints, auditing, exceptions, deviations, and change control programs.