



Day&Zimmermann

*We do what we say.®*

## ENGINEERING

### ENGINEERING SOLUTIONS DESIGNED TO MAXIMIZE YOUR ROI

Day & Zimmermann is a family-owned company founded more than a century ago and was among the first to provide engineering and design solutions to the industrial sector. In the 1910s, founder Charles Day presented Betterment Reports to industrial clients that helped modernize American factories. Today, we are still in the business of betterment, responding to customer demands for cost-effective service delivery in the chemical, fibers, petroleum refining, and food & beverage industries. Strategically located Regional Design Centers enable us to respond to the needs of our customers in the Southeast and Northeast regions.

Day & Zimmermann Regional Design Centers are located in Greenville, South Carolina and Chester, Pennsylvania. Each location is staffed with engineers, designers, and subject matter experts and both are linked via a secure network which enables work-sharing and the creation of cost-effective and efficient project teams. A dedicated local, single point of contact is assigned to perform field verifications and coordinate with the Regional Design Centers.

For Day & Zimmermann's customers, this approach means that we can focus on local site needs and leverage the expertise of the regions to execute larger, more complex scopes. It also means that our customers can reduce labor and travel costs by as much as 20 percent.

### FULL-SERVICE ENGINEERING SOLUTIONS

Day & Zimmermann offers full-scope engineering and design services for projects that range from new facilities to revamps and upgrades. Our experienced engineering resources seamlessly deliver strategic planning, conceptual engineering, front-end engineering, detailed engineering, 3D digital facility lifecycle solutions, and more.

Front-end loading	Process simulation	Digital asset and project management	Process Hazards Analysis (PHA/HAZOP) and facilitation	Detailed design
Commissioning, stat-up, and operator training	Equipment, bulk material, and subcontract procurement	Safety controls	LOPA and safety integrated level (SIL) analysis	Piping design and specification
Balance of Plant (BOP) projects/ utilities/ infrastructure	Relief device analysis, sizing, and validation	Conceptual engineering	3D design and laser scanning capabilities	Capital project/ program management

## DIGITAL FACILITY LIFECYCLE SOLUTIONS

Day & Zimmermann provides laser scanning and 3D data capture technology solutions to create and maintain a digital facility. This provides our customers with a scalable option that can be deployed at various stages in the lifecycle of the capital or maintenance planning process. Working within a digital facility, the assets can be virtually tagged and dynamically linked to databases to ensure safety, quality assurance/compliance, maintenance records/planning, and construction planning/progress verification. This solution provides our customers with a tremendous return on their investment, including cost and schedule savings, and the ability to reuse the data to establish work processes on future projects. Other benefits include:

- Ensured Process Safety Management (PSM) compliance.
- Reduced field work - increased dimensional accuracy.
- Reduced turnaround time for scanning and data processing.
- Improved quality of engineering deliverables/coordination.
- Improved model reviews with project teams.
- Shortened engineering and construction durations through streamlined work processes.
- Improved constructability through better visualization of project.



Founded in 1901, Day & Zimmermann is a family-owned company with a workforce of 46,000 specializing in construction & engineering, operations & maintenance, staffing, security and defense solutions for leading corporations and governments around the world. Operating from more than 150 worldwide locations with 2.8 Billion USD in revenue, Day & Zimmermann is currently ranked as one of the largest private companies in the U.S. by *Forbes*. Headquartered in Philadelphia, PA, our first work was to develop “Betterment Reports” that helped modernize American factories. Today, we are still in the business of betterment—maintaining the nation’s power infrastructure, protecting American freedoms and accelerating innovation around the world. *We do what we say.*® [www.dayzim.com](http://www.dayzim.com)

Headquarters: Philadelphia, PA • Established: 1901 • [dayzim.com](http://dayzim.com)