



**PREMIER
SOLUTIONS
FOR MODERN
INDUSTRY.**

ENGINEERING AND MAINTENANCE
SERVICES OVERVIEW

ENGINEERING SERVICES OVERVIEW

We're your one-stop shop for engineering services, with solutions to maximize profitability, efficiency and safety. Chief Engineering offers a full suite of mechanical, electrical, plumbing, and structural services, with specialties in **process & bulk handling, central vacuum, pneumatic conveying, and dust collection systems.**

AUDITS

- System and Power Efficiency
- Overall System Health
- Compliance
- Maintenance & Reliability

REPORTING

- Gap Analyses
- Baseline Performance
- System Evaluations
- Troubleshooting
- Cost/Benefit Analyses
- Project Scope Development

PROJECT MANAGEMENT

- Contractor Management
- Scheduling Support
- Subcontractor Fulfillment
- Quality Assurance
- Contract Review
- Maintenance Program Development

DESIGN & DRAFTING

- New System Design
- Component Design
- Modification & Retrofits
- 2D Design & Drawing
- 3D Modeling & Design
- As-Built Drawings
- 3D Scanning Services
- P&ID Drawings

FABRICATION & INSTALLATION

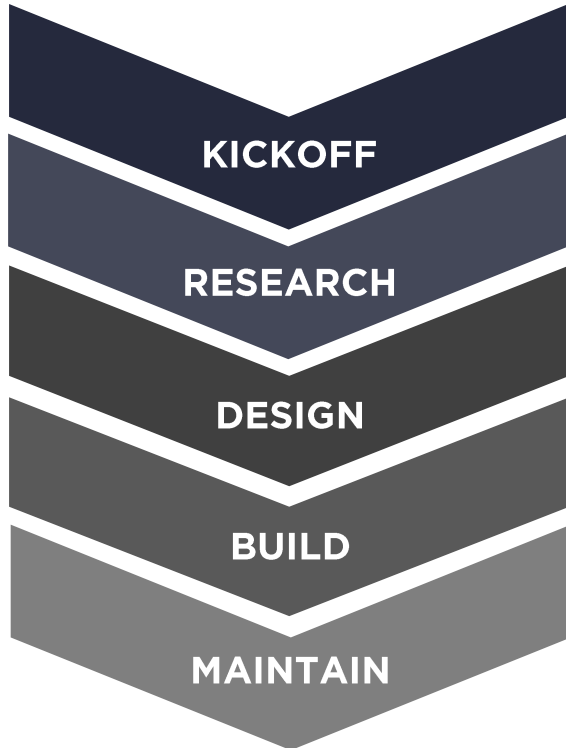
- Custom Steel Structures and Platforms Fabrication
- Piping, Ductwork and Systems Fabrication
- Custom Welding Repair
- Installation

Our team has worked with some of the world's largest manufacturers across multiple industries, including lumber and paper mills; pharmaceuticals; food processing; agriculture; mining; and more.



CHIEF ENGINEERING PROCESS

We work hand-in-hand with each client to ensure we meet your full expectations, requirements and timelines for each project.



First, a professional engineer will contact you to learn more about your specific needs. We'll then assess your project and provide an accurate cost estimate.

Next, we'll perform observations and gather all of the necessary system performance data to identify any issues and make optimal solution recommendations.

All systems are thoroughly documented with best-in-class specifications, instructions and drawings. Design packages can include flow diagrams, isometric, detail, and layout drawings.

Our team works with trusted partner companies to manage the fabrication and installation of your new system and ensure quality and performance of the finished product.

Protect your investment through our custom maintenance programs designed to prevent unscheduled downtime and maximize productivity.

CHIEF MAINTENANCE PROGRAM OVERVIEW

Our maintenance solutions for mechanical systems utilize aviation principles to **significantly reduce unscheduled system downtime.**



Complete mechanical
and systematic
preventive
maintenance



Scheduling for
preventive
maintenance tasks



Work completion
accountability



Single-source,
complete-system
maintenance
requirements

MAINTENANCE PROGRAM COMPONENTS

Three main components power the system:

MAINTENANCE MANUAL

Provides the repository for all maintenance data including:

- All maintenance work cards
- Complete system schematics and/or appropriate engineering diagrams
- All manufacturer technical data
- All videos, special instruction diagrams and spare parts list available

MAINTENANCE REQUIREMENTS DOCUMENTS (MRD)

Tasks to ensure adherence to original specifications

- Intervals in which tasks are required to be accomplished
- Specific numbering and tracking codes
- Time tracking tools
- Feedback mechanism

TASK WORK CARDS

- Bundled individual tasks
- Detailed instructions and visual references
- Ancillary materials and procedures
- Accountability by requiring a personal sign-off
- Incorporation of a Non-routine Work Card, which is a document completed for all maintenance not covered under a Task Work Card

CONTACT US

Visit our website at www.chiefengineering.us to learn more,
or contact one of our professional engineers to get started today:

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