



Global Engineering Services

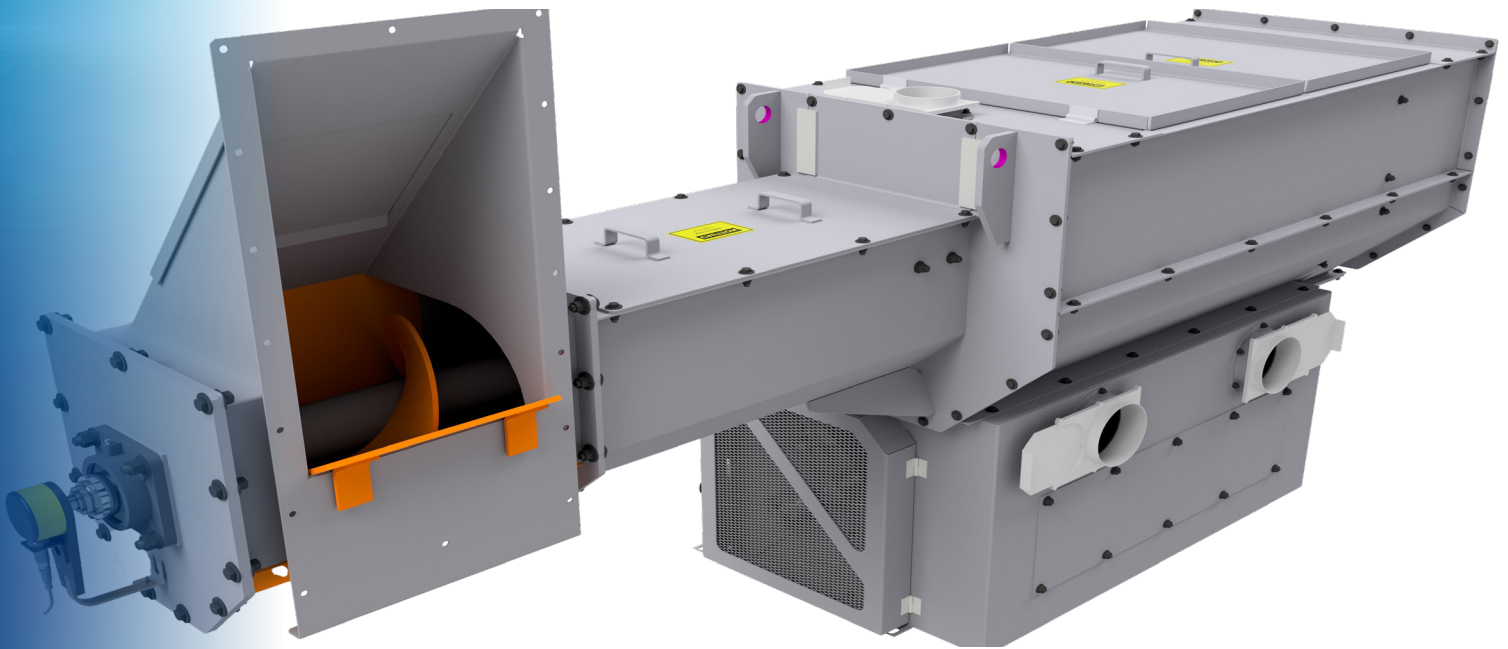
For Heavy Industrial Applications





UCC India World-Class Engineering

When project workloads surge and internal capacity is limited, UCC offers a flexible and cost-effective solution through our global engineering network. Our international team integrates seamlessly with your workflows, offering expert support in drawing conversions, 3D modeling, detailing, and more. From fast-track timelines to complex upgrades, we help you move projects forward without compromising quality or budget.



The Global UCC Advantage

For over a century, UCC has been a trusted engineering partner to heavy industries worldwide. Today, we extend that legacy through UCC India (UCCI), delivering the exact high-precision solutions our customers depend on, with added efficiency and cost savings.

UCCI operates to the same rigorous standards as our U.S.-based teams. Trained by UCC's senior technical experts, UCCI follows identical workflows, use the same engineering tools, and collaborate seamlessly with our U.S. project teams. The result is consistent quality and smooth coordination across continents.



Eliminate Engineering Challenges with UCCI Support

Heavy industry faces rising costs, skilled labor shortages, scaling challenges, and technology gaps—obstacles that can slow progress and increase risk.

UCC India helps remove these barriers by providing expert technical support that bridges time zones and expands your team's capacity without compromising quality. Our global partnership enables you to reduce overhead, accelerate project timelines, and stay competitive in today's fast-paced market.

- Consistent Quality Worldwide
- Seamless Collaboration
- Cost-Effective Expert Engineering
- Scalable Solutions for Various Projects

What Sets UCCI Apart

100+ Years of Engineering Excellence

A legacy of innovation and technical leadership.

Global Engineering Expertise

Deep experience in North America, Europe, and Asia-Pacific design standards.

Seamless Project Execution

99% on-time delivery ensures projects stay on schedule and within budget.

Flexible & Scalable Resources

Adapts to both Metric and Imperial standards for global compatibility.

Cloud-Based Collaboration

Enables real-time teamwork across time zones for uninterrupted workflow.

Stringent Quality Assurance

ISO-registered processes and rigorous design reviews.

Full Project Visibility

Advanced planning tools ensure accurate tracking and transparency.

Benefits of Partnering with UCCI

When you partner with UCCI, you gain access to a range of benefits designed to address the unique challenges faced by heavy industry plants and utility customers:

Cost Efficiency

Reduce overhead by leveraging our offshore team's high-level expertise, eliminating the need for additional in-house staff.

Flexible Resource Allocation

Scale your engineering team up or down as needed, adapting quickly to changing project scopes or timelines.

Specialized Expertise

Benefit from engineers with extensive knowledge of global standards, regulations, and industry best practices, ready to meet your project's requirements.

Faster Project Execution

With teams working around the clock, your projects stay on track, even across time zones, helping to accelerate timelines.

Advanced Tools & Technologies

Take advantage of cutting-edge 3D modeling, automation, and cloud collaboration tools to optimize design and project delivery.

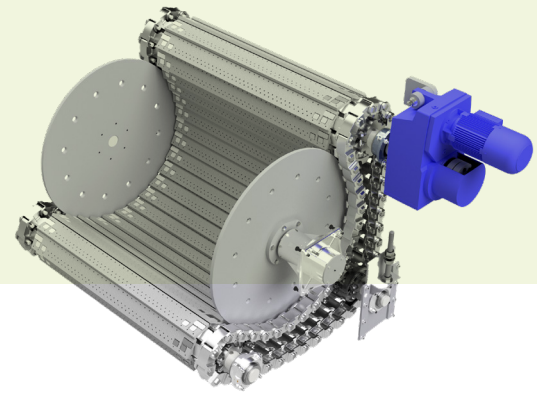
Quality Assurance

Rely on ISO-certified processes and proven quality management systems to mitigate risk and ensure reliability at every stage of the project.

Focused Internal Resources

Free up your in-house teams to focus on high-priority tasks, while we handle the complex engineering execution and support.





Case Study: UCCI Engineering Support for Equipment Manufacturer

Challenge

A leading U.S.-based manufacturer of shot blasting and surface preparation systems, faced escalating engineering costs and limited internal resources. As the workload continued to increase with a growing pipeline of projects, the internal team struggled to keep pace with the demands, resulting in delays and operational inefficiencies. They needed a solution that would allow them to scale their engineering capabilities without compromising on quality or incurring high costs.

Solution

After evaluating several engineering firms, the customer selected to leverage the expertise of UCCI's engineering team to convert and standardize its drawings. UCCI provided high-caliber engineering solutions, offering specialized technical skills at a fraction of the cost of expanding its internal team. UCCI collaborated directly with the customer's U.S.-based team to ensure strict adherence to project requirements, optimize design processes, and accelerate project delivery while maintaining high standards of quality and compliance.

Results

By leveraging UCCI's engineering resources, the customer avoided the high costs of domestic outsourcing and accelerated system modernization using existing models. Total engineering hours, release time, and project costs were significantly reduced—all while maintaining the quality and precision expected from UCCI's globally aligned standards.

After seeing the speed and quality of the deliverables, the customer expanded the scope of work to include a broad range of engineering support. This included 2D to 3D model conversion, creation of new parts, assembly and shop drawings, bills of materials, and detailed fabrication packages. UCCI also provided electrical panel design and schematic detailing, conducted drawing reviews to enhance standardization and quality, and implemented parametric 3D modeling to improve efficiency and design reuse.

The success of this engagement has led the customer to continue working with UCCI, entrusting us with increasingly complex and critical tasks—a reflection of the value delivered through globally coordinated, high-quality engineering support.



The UCC Environmental Commitment

As a leader in innovation, we have consistently set the standard for superior engineered solutions. We understand the critical need to deliver cutting-edge equipment and technologies that meet the unique challenges of your operations. Through our state-of-the-art in-house testing and innovation lab, we ensure rigorous control over the quality and timely delivery of our systems and equipment. Our commitment to excellence extends beyond products—we are dedicated to providing exceptional service wherever and whenever you need it. This is our unwavering commitment to you.

Global Operations in:

United States • Europe • China • India

More Than 50 Offices Worldwide

Industries We Serve:

Power Generation • Mining • Steel • Cement
Pulp & Paper • Microelectronics • Natural Gas • Cement
Heavy Industrial • Oil & Gas



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UCC Portfolio of Environmental Solutions

Air

- Dry Sorbent Injection/Activated Carbon Injection
- DSI Retrofit Services
- On-Site Pilot Testing and Demonstration
- Predictive Computational Fluid Dynamics (CFD) Modeling

Water

- CCR Wastewater Compliance Solutions
- Dewatering
- Effluent Limitation Guidelines
- Flue Gas Desulfurization
- Groundwater Remediation
- Mobile Treatment Systems and Solutions
- Raw Water Treatment/Cooling Tower Makeup
- Wastewater Treatment Strategies
- Water Balance Optimization and Reuse
- Zero Liquid Discharge

Solids

- Biomass Ash Handling and Fuel Handling
- Economizer Ash
- Fluidized Bed Ash
- Fly Ash/Bottom Ash (Dilute, Medium and Dense Phase)
- High-Density Slurry Conveying
- Lime Handling
- Mill Rejects
- Oil Ash
- Pneumatic Conveying
- Silo Unloading
- Specialized Material Handling
- Wet-to-Dry Conversions

Services

- System Improvements
- Project Execution
- Product Development/Technology and Test Lab
- 3D Measurement Technology
- Pipe Support Engineering
- Control Upgrades and Integration
- Electrical Power Distribution Design/Supply
- Onsite Testing and Analysis
- Product Rebuild Program and Exchange Programs
- Balance of Plant (BOP) and Construction
- Program Management
- Field Service, Operations and Maintenance

System Components

- Air Pollution Control Components
- Engineered System Components
- Gates and Valves
- Heat-Resistant Wear Parts
- Impact and Abrasion Resistant Parts
- Mechanical System Components and Wear Parts
- Mixer/Unloaders and Pugmills
- Particle Size Reduction Equipment
- Pipe & Fittings
- Separating Equipment
- Tanks & Vessels
- Wastewater Treatment Components
- Coal Crushing Products
- Engineered System Components