



# PROCESS CONTROL & AUTOMATION.



## **An Expert at Your Side.**

To find the right solutions for your business you need a partner you can rely on. One who understands your business and offers expert advice during selection, installation and beyond. Cimbria has been helping customers succeed for more than 75 years, with extensive know-how and technologically advanced solutions on the entire process of cleaning and storing grain, seed and food commodities.



ERP

# Empower Plant Success with Tailored Automation and Control.

Cimbria can seamlessly integrate your in-house manufactured equipment, utilizing advanced technologies and a deep understanding of crops and processes. This synergy ensures optimal automation, guaranteeing peak performance for better efficiency and long-term sustainability throughout the plant's lifetime.

Our holistic approach begins with your unique plant installation and ERP system. We design and deliver customized control systems that seamlessly integrate with your infrastructure. These systems facilitate the seamless exchange of information between products, systems, and machinery, providing you with a comprehensive real-time overview of your plant's performance. Moreover, our alert system ensures immediate response to any issues, giving you peace of mind and control over your operations.

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# SCADA – The plant operating and monitoring solution.



The SCADA system is tailor-made for operation, monitoring, and instant alerts. It can be controlled, managed and operated from one operation or spread across several. To ensure smooth operation, all routes and activities are recorded and readily accessible.

The system's human-machine interface is both intuitive and user-friendly, featuring a responsive touchscreen that simplifies process and site monitoring. Its clear, streamlined graphics empower operators to effortlessly monitor processes. In addition, it offers options for remote control and management.

## FUNCTIONS

- Automatic operation
- Manual operation
- Alarm log
- Communication to ERP
- Automatic line start

# The Advantages of Automation and Control.

## 1. Increased efficiency

Processes to be carried out faster, more accurately and consistently. This boosts productivity and throughput.

## 2. Improved quality

Control systems minimize human errors and variations, helping to maintain tight specifications and quality standards consistently.

## 3. Reduced costs

Automation lowers operating costs through reduced labor requirements and guarantees that the plant operates at maximum performance. Maintenance costs are also reduced.

## 4. Increased safety

Automated systems take humans out of dangerous environments, preventing injuries. Precise control also reduces safety risks.

## 5. Flexibility

Control systems are reconfigurable to adapt processes quickly to changed requirements with minimal disruption.

## 6. Process optimization

Collecting performance data enables continuous improvement and fine-tuning of systems for maximum efficiency.

## 7. Scalability

Automated solutions can easily expand along with growing operations or production demands.

## 8. Remote monitoring

Systems can be monitored and controlled remotely, allowing management from any location. Alarms can also notify of issues.

## 9. Improve maintenance

Operating statistics on each machine can be set and monitored, thus enabling scheduled service and preventive maintenance to be carried out in a timely fashion.



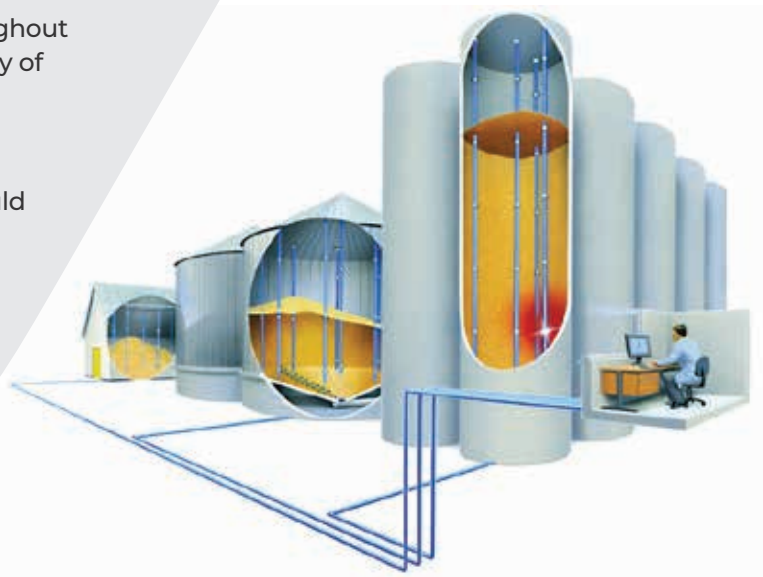


# Temperature Monitoring.

Every year, a large percentage of grain is lost as it makes its way from the field to the table. Cimbria's temperature control solutions can help minimize post-harvest loss, while maintaining grain quality to maximize your profit.

**01.** Temperature sensors are placed throughout the towering structures to provide visibility of temperature variations within the bin/silo.

**02.** Loggers collect readings daily, alerting staff to any warming or hot spots that could indicate moisture accumulation inside the bulk. This real-time oversight allows potential issues to be detected early before quality can deteriorate.

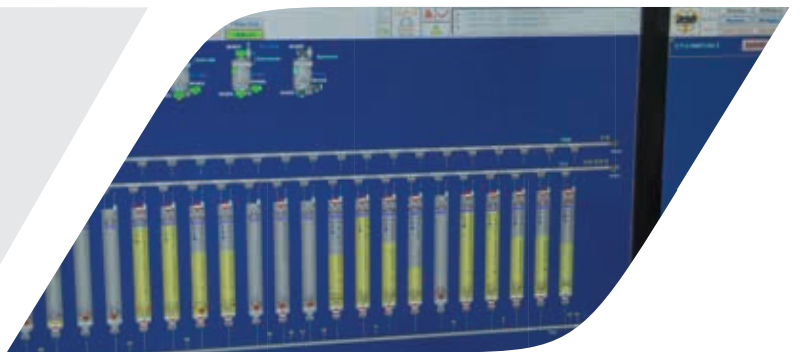


# Inventory Management

Keeping track of grain stockpiles inside busy silos requires an advanced monitoring system. Staff benefit from real-time data on exact grain quantities, enabling just-in-time coordination of deliveries and shipments to optimize space utilization.

**01.** A laser-based solution continuously measures inventory levels. A laser beam emanates from the top of the towering structure and its reflection is analyzed to pinpoint the surface of the grain mass.

**02.** This dynamic laser profiling identifies any movement in the stockpile. Can the system advise if the stock goes up or down a certain level?



# Service First.

## **DELIVERING RELIABILITY AND DEPENDABILITY**

At Cimbria, we take pride in delivering exceptional customer service. Our business strategy centres around providing comprehensive support for all technical issues, orders, product selection, pricing inquiries, project engineering, and turnkey plant installation, ensuring your plant runs optimally at every level.

**CONTACT US:** [WWW.CIMBRIA.COM/EN/CONTACT/CONTACT-US.HTML](http://WWW.CIMBRIA.COM/EN/CONTACT/CONTACT-US.HTML)



## **TAILOR DESIGN AND ENGINEERING**

From our standard software we engineer tailor made solutions connecting company's software and systems.

## **INSTALLATION AND COMMISSIONING**

Our rapid implementation meets deadlines while comprehensive testing ensures reliability.

## **TRAINING AND KNOWLEDGE TRANSFER**

Self-sufficient, informed staff optimize operations and increase profitability on the long-term.

## **CONFIGURATION AND PROGRAMMING**

Parameters fine-tuning delivers unmatched performance and competitive advantage. It can be adapted to individual users.

## **REMOTE SUPPORT**

Non-stop assistance improves uptime and quality to maximize yield for clients anytime, anywhere.

## **CERTIFICATIONS AND COMPLIANCE**

We comply regulations worldwide.

## **PLANT OPTIMIZATION**

Data-driven system allow us to analyze quality and efficiencies based on operational analytics for enhanced competitiveness.





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