

# Cerexio DA

Smart Data Analytics

Industrial Data Intelligence & Analytics Solutions

[www.cerexio.com](http://www.cerexio.com)



# Introduction

## Data-Driven Intelligence Forging Stronger Digital Pillars for Your Business

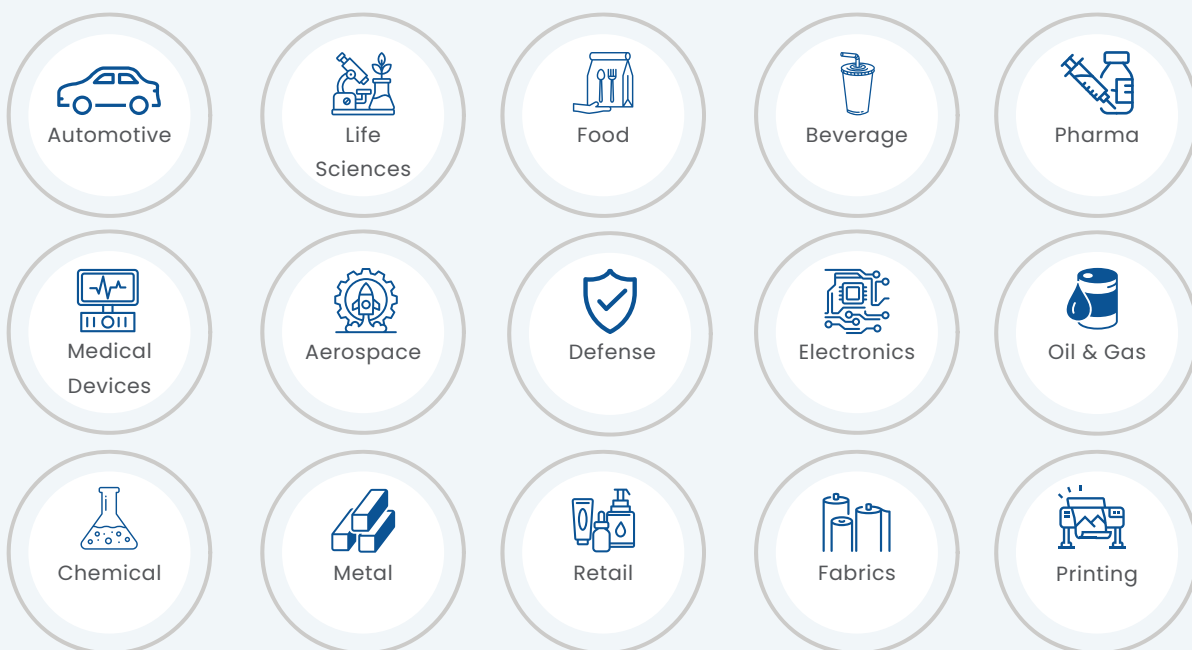
Cerexio Data Analytics is your all-in-one platform to discover actionable insights hidden within your organisational data. Designed for flexibility, speed, and reliability, Cerexio empowers your teams to access, analyse, and act on clean, trusted data—enabling smarter, faster decisions across your business. With Cerexio, your data does the talking, and your organisation leads the conversation.



## Unlock the True Power of Your Organisational Data

@Cerexio Data Specialists Team

### Industries We Serve

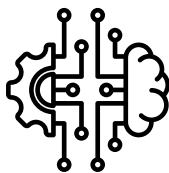


# Key Highlights



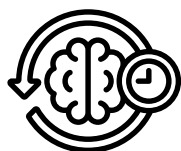
## 2. Automated Data Management

Transform your data lake into a smart, aggregated data point with reliable ETL, open and secure data sharing, and lightning-fast performance.



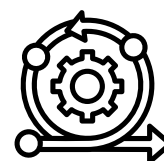
## 4. Self-Service Analytics

Empower your teams with interactive, gesture-driven tools—drag & drop, scroll, pan, and tweak—to collect, manipulate, and analyse data independently and efficiently.



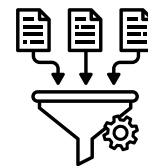
## 6. Operational Agility

Streamline operations, predict maintenance needs, and boost supply chain resilience with advanced analytics and machine learning.



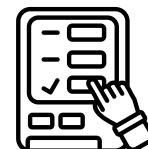
## 1. 360° Data Visibility

Gain a comprehensive overview of all your data—structured, semi-structured, and unstructured—through a single, unified analytics platform.



## 3. Machine Learning Integration

Simplify your data architecture and enable robust, secure, and reliable ML-powered analytics for predictive and prescriptive insights.



## 5. Real-Time Intelligence

Deliver always-updated, in-depth BI via intuitive dashboards and automated reporting, accessible anytime, anywhere.

# Industry 4.0 Capabilities We Offer

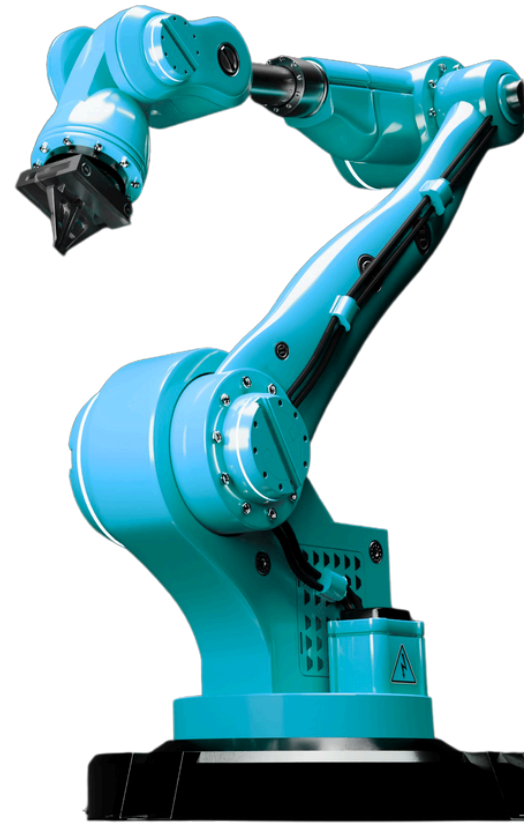
1 AI & Machine Learning

2 Big Data

3 GIS

4 AR/VR

5 Simulation



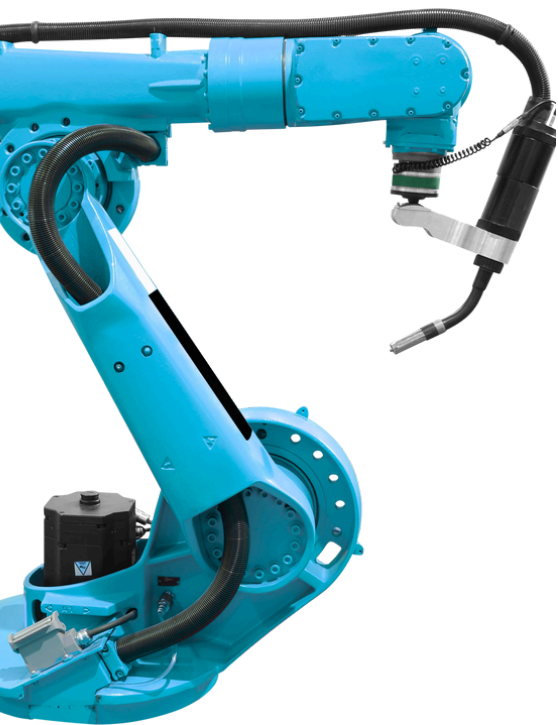
6 Satellite Remote Sensing

7 CCTV and Laser

8 5G, IoT, Quantum Sensors

9 Digital Twin

10 Robotics and CPS



# Cerexio DA Modules



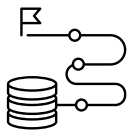
## End-to-End Data Management

Automate ETL processes and enable secure data sharing to centralise all organisational data. Cerexio ensures fast, reliable access and analytics by transforming your data lake into an innovative, aggregated hub for structured, semi-structured, and unstructured information.



## Predictive Analytics

Leverage real-time and historical data to forecast equipment maintenance needs, detect operational risks, and avoid costly downtime. Cerexio's predictive analytics module empowers proactive decision-making, optimising asset performance and supporting business continuity with advanced machine learning models.



## Data Pipeline Orchestration

Easily schedule, automate, and manage data pipelines with Cerexio's orchestration tools. Deliver insight-ready data across your organisation, streamline complex workflows, and ensure that critical information is always available for timely analysis and reporting.



## Self-Service Data Science

Empower data practitioners to build, deploy, and refine analytical models without infrastructure complexity. Cerexio's self-service module focuses on usability, enabling users to concentrate on extracting insights and value from data, rather than managing technical setup or resources.

# Cerexio DA Modules



## **Customisable Dashboards & OEE Tools**

Personalise your analytics experience with dynamic dashboards and Overall Equipment Effectiveness (OEE) tools. Cerexio allows users to embed microservices and analytical widgets, providing on-demand, actionable insights tailored to specific operational and business needs.



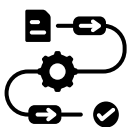
## **Seamless Integration Tools**

Connect to all major data sources, industrial platforms, and business protocols. Cerexio's integration module unifies disparate data streams, delivering consolidated, real-time business intelligence and ensuring smooth interoperability across your digital ecosystem.



## **Uninterrupted Communication**

Support structured and unstructured data, including computer vision for manufacturing quality control. Cerexio's communication module guarantees robust data governance, high performance, and reliability for all workloads, facilitating uninterrupted data flow across your enterprise.



## **Invigorating Data Workflows**

Boost productivity with engaging, visual tools that allow teams to design, execute, and optimise data workflows. Cerexio enables self-reliant management of analytics processes, ensuring data is always analytics-ready and insight generation is efficient and collaborative.



# Cerexio DA Modules



## **Real-Time Business Intelligence**

Deliver up-to-the-minute business intelligence through always-updated dashboards and automated reporting. Cerexio's BI module transforms raw data into comprehensive, intuitive visualisations, empowering stakeholders to make informed decisions based on the latest operational metrics.



## **Machine Learning Model Management**

Manage the full lifecycle of machine learning models, from training and validation to deployment and monitoring. Cerexio streamlines model governance, versioning, and performance tracking, ensuring your AI initiatives remain accurate, reliable, and aligned with business objectives.



## **Advanced Analytics & Satellite Fusion**

Integrate remote sensing data from satellites, drones, and IoT sensors for a holistic view of assets and infrastructure. Cerexio's analytics module enables sophisticated spatial analysis and asset monitoring, supporting advanced decision-making in complex industrial environments.



## **Data Governance & Security**

Implement robust data governance frameworks to ensure data integrity, compliance, and protection. Cerexio's security module enforces access controls, monitors usage, and supports regulatory requirements, safeguarding your analytics infrastructure against evolving cyber threats and data breaches.

# Cerexio DA Benefits

## Let Us Narrate Your Data-Driven Success.

Cerexio Data Analytics empowers organisations to achieve smart, cost-efficient analytics by offering a unified platform that eliminates unnecessary complexity and overhead. By integrating data from multiple sources and delivering real-time insights, businesses can make faster, more informed decisions while saving valuable time, money, and resources. The platform's intuitive design and automation features further streamline analytics processes, reducing the need for extensive IT support.

### All Answers in One Place

Collect, clean, standardise, and connect data from diverse sources to build intelligent models, enabling your organisation to generate accurate, actionable, and productive data-driven predictions.

### Proactive Reporting

Create powerful, custom visualisations and instantly share insights via email, mobile, or web-based platforms like Slack, Microsoft Teams, and Zoom, ensuring timely and informed decision-making.

### Full Data Security

Maintain the highest standards of data governance, security, and compliance to protect sensitive information and ensure your analytics environment is always safeguarded against evolving cyber threats.

### Bigger Picture, Deeper Insights

Empower stakeholders with access to time-series forecasts, anomaly detection, and actionable patterns, making advanced analytics accessible, even for those without data science expertise.



# Cerexio DA Benefits

## Your Self-Service Data Expert for Confident, Data-Driven Transformation.

With 100% web-based access and flexible deployment options—including private, public, or hybrid cloud, as well as on-premises—Cerexio adapts to any operational environment. Users are empowered by advanced technologies like AI and machine learning, which enable the creation of custom, scalable analytical models. This ensures organisations remain agile, confident, and ready for future growth.

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### **Operational Agility & Resilience**

Quickly adapt to changing business needs and market conditions using scalable, future-proof analytics solutions that ensure continuous operational performance and strategic flexibility.

### **Seamless Integration Across Platforms**

Effortlessly connect with existing ERP, MES, IoT, and cloud systems, unifying all critical data streams for comprehensive analysis and streamlined business intelligence across your enterprise.

### **Self-Service Analytics for All Users**

Enable employees at every level to independently explore, analyse, and visualise data using intuitive, drag-and-drop tools—reducing reliance on IT and accelerating insight generation.

### **Predictive and Risk Management**

Utilise real-time machine data and historical trends to forecast equipment failures, reduce unplanned downtime, optimise maintenance schedules, and proactively manage operational risks.

# Cerexio Client Stories

Cerexio has been at the forefront of digital transformation in manufacturing, empowering companies to achieve operational excellence and sustainable growth. Through its flagship solutions, Cerexio has partnered with industry leaders to solve complex challenges, ranging from throughput optimisation to emission control, while delivering measurable business value.

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## **A company that manufactures and fabricates precision parts, moulds, and dies.**

1

Vertically-integrated manufacturing services since 1978. They had a challenge in digitally transforming factories to improve operational efficiencies and reduce labour costs.

CEREXIO MES improved the throughput by digitally transforming their factory of 200+ moulding machines while the same labour capacity was able to deliver a +10% profit

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## **Cement Manufacturer**

2

According to Forbes, this company was on the list of the 700 largest global public companies in 2015. They had challenges in achieving kiln stability and optimisation.

CEREXIO MES was utilised by them to prevent poor quality, suboptimal throughput, unhealthy emission rates and energy losses by predicting failures in cyclone infrastructure.

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## **ARTC- Advanced Remanufacturing Technology Centre**

3

A Singaporean government agency that researches to facilitate the advanced manufacturing ecosystem in the region.

CEREXIO MES Services and Modules optimised their hyper-personalisation Line- a solution that manufactures personalised products in a fully automated production line.

# Contact Cerexio

Don't hesitate to get in touch with us for further clarification or to book a demo this week. The contact particulars of our company are as below:

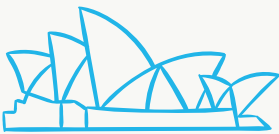


**Tel:** +(65) 6762 9293

**Email:** [info@cerexio.com](mailto:info@cerexio.com)

**Address:** 21, Woodlands Close, #05-47 Primz Bizhub, Singapore 737854

**Website:** [www.cerexio.com](http://www.cerexio.com)



**Tel:** 1800 270 947

**Email:** [info@cerexio.com.au](mailto:info@cerexio.com.au)

**Address:** 81-83 Campbell Street, Surry Hills, NSW 2010, Australia

**Website:** [www.cerexio.com.au](http://www.cerexio.com.au)

