



 **eGate** | Smart Building
Innovation

We increase the quality of life
by accelerating sustainable building
through real-time situational awareness.

DUST

Regulatory pressure and concern over health and environmental impacts drive the need for real-time monitoring.



Periodic point-based measurements are outdated and should be replaced with automated solutions.



Ensures precision and consistency to meet regulatory and quality standards, improves safety, and reduces environmental risks.

CONNECTED DUST CONTROL

Transforms air quality management into a strategic asset detecting and alerting also from invisible hazardous particles.



IoT sensors enable continuous situational awareness and quick response if dust levels exceed safe limits.

SHIFTING THE MINDSET

Connected Dust Control addresses market needs while empowering construction companies to adopt a more sustainable approach.



From snapshots to situational awareness
From point-based to comprehensive
From periodic to continuous
From guessing to knowledge
From siloed to unified data
From reactive to proactive

INTELLIGENT INSIGHT

Lawful environmental monitoring,
precise reporting, and visualization of
construction site conditions*.

- PM1- PM40 dust particles & P1/ICRA capability
- RHT, DP / ΔP , CO², TVOC



DUST CONTROL BENEFITS

Enhanced health & safety

Minimizes exposure to hazardous particles, preventing respiratory issues and long-term health risks.

Full transparency

Provides a comprehensive real-time situational awareness of site conditions for all parties.

Increased sustainability

Reduces the environmental impact, aligning with market demands for more sustainable operations.

Improved decision-making

Enables proactive air quality management and decision-making by turning data into practical insights.

Regulatory compliance

Ensures adherence to safety and environmental regulations, avoiding legal penalties and project delays.

Cost savings

Prevents unexpected costs from health-related liabilities, rework, and regulatory fines.

COMPANY & SOLUTION CREDIBILITY

Development

The solution has been developed with the construction industry, authorities, and technology partners.

Integrations

Integrates with other cloud-based analytics platforms and is ready for use with Congrid, Procore, and Cramo SmartControl.

Distribution

In Finland Cramo with a network of 50 offices and the parent company Boels in 18 European countries.

Scalability

Technology enables seamless scaling in construction sites, and cloud infrastructure supports efficient data handling.

The company

- On the market since 2018
- Data collected from over 1,000 worksites
- Over one billion data rows analyzed
- Verified third-party accuracy and compliance
- Patented technology (concrete drying)

CON CRETE

The demand for data-driven decision-making is driving predictive analytics in construction sites.



Static concrete moisture and temperature measurements will be replaced by dynamic tracking methods.



Improves construction quality and cost-efficiency while ensuring adherence to target schedules, legislation, and client requirements.

CONNECTED CONCRETE CONTROL

Transforms passive building material into a smart asset, increasing efficiency, reducing waste, and ensuring durability.



IoT sensors provide real-time insight while supporting proactive site management and schedule optimization.

SHIFTING THE MINDSET

Connected Concrete Control enables projects to be completed on time and within budget while addressing market needs.

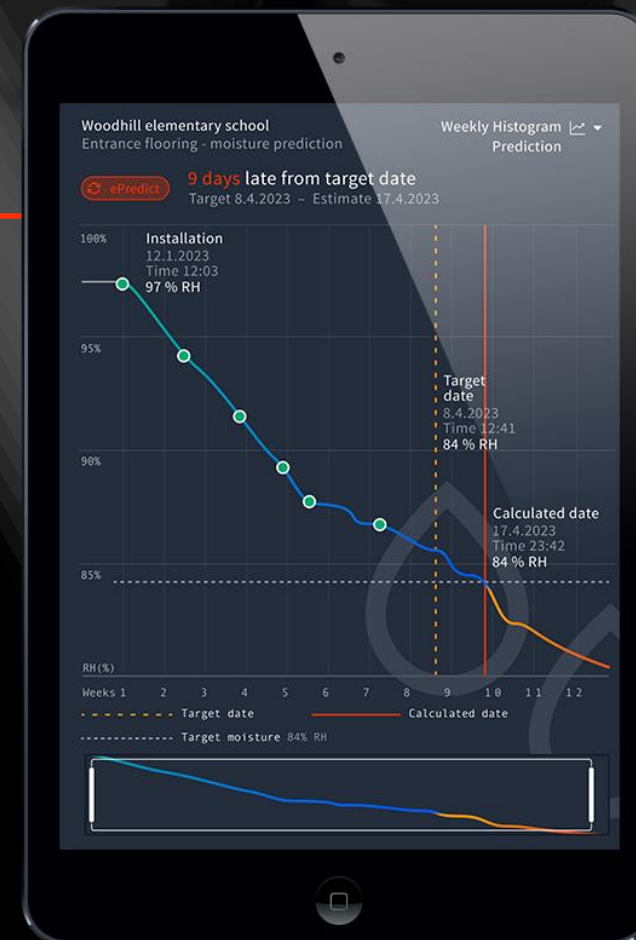


From snapshots to situational awareness
From passive material to a smart asset
From static to real-time forecasting
From guessing to knowledge
From siloed to unified data
From reactive to proactive

PATENTED ePREDICT

ePredict® drying algorithm eliminates guesswork by providing precision in predicting concrete drying times*.

- Complies RT 103333 & ASTM 2170 standards (*audited*)
- Concrete Temp / RH



DRYING CALCULATION BENEFITS

Risk management

Prevents moisture-related damage and mold growth, ensuring durable structures and healthy buildings.

Full transparency

Transparent data across all parties and automatic documentation support high-quality results.

Increased sustainability

Boosting sustainability by optimizing the drying process, eliminating safety margins, rework, and waste.

Cost savings

Speeds up projects by enabling proactive corrective actions for drying conditions on time.

Improved decision-making

Enables data-driven decision-making and process development while improving quality and scheduling.

Meets requirements

Continuous measurement addresses increasing customer requirements while ensuring project success.

REAL-TIME STRENGTH

Real-time MPa strength calculation determines concrete maturity age based on temperature and time*.

- Normal and fast-hardening concrete grades (28d & 7d)
- Strength classes C25/30, C30/37, C35/45 and C40/50



STRENGTH CALCULATION BENEFITS

Enhanced efficiency

Enables optimized drying conditions while monitoring and calculating strength development.

Full transparency

Automatically stored data ensures transparency, and information sharing across all parties.

Resource optimization

Streamlines labor, machinery, and schedules, minimizing downtime and ensuring process efficiency.

Improved decision-making

Real-time situational awareness enables efficient decision-making, resulting in improved lead times.

Risk management

Real-time strength tracking minimizes structural risks and ensures readiness for the next phases.

Cost savings

Eliminating unnecessary lead times improves resource efficiency and reduces downtime and costs.

COMPANY & SOLUTION CREDIBILITY

Development

The solution has been developed with the construction industry, authorities, and technology partners.

Integrations

Integrates with other cloud-based analytics platforms and is ready for use with Congrid, Procore, and Cramo SmartControl.

Distribution

In Finland Cramo with a network of 50 offices and the parent company Boels in 18 European countries.

Scalability

Technology enables seamless scaling in construction sites, and cloud infrastructure supports efficient data handling.

The company

- On the market since 2018
- Data collected from over 1,000 worksites
- Over one billion data rows analyzed
- Verified third-party accuracy and compliance
- Patented technology (concrete drying)

THE eGATE STORY



Jarkko Haukijärvi
CEO

I started a construction data analytics company in 2018 for two main reasons. First, I wanted everyone to be able to go to school, work, and live in a safe environment. This can be affected the most during the construction phase. Second, site condition monitoring and data-driven decision-making are not a sacrifice or an extra cost. They create a competitive advantage that improves cost efficiency.

Today, our proven and reliable analytics solutions have been used on over a thousand construction sites. Our technology is patented in the U.S., where we seek growth. Our strategic partner in the Baltic region is Cramo, one of Europe's leading construction rental and service companies.

So, we're off to a great start. Welcome aboard our journey toward better construction!