i-frame

Oyak Çimento, On Its Digital Transformation Journey, Opted for i-frame

Process-based flexibility, seamless integration, and real-time data flow enable end-to-end digital transformation from production to quality.

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About the company

🏢 **Sector:** Cement and Construction Materials   📍 **Country:** Turkey   👥 **Employees:** 2.827

➤ Company Profile

Oyak Cement is the market leader in Turkey's cement industry. With its factories in different regions, it leads the sector in many areas, from production to innovation, sustainability to digitalization.

In line with its "**Cement 4.0**" vision launched in 2019, it has accelerated its digital transformation projects. In this context, there has been a need for a platform that will digitize both production and quality processes and work fully integrated **with ERP and OT systems.**

➤ Challenges & Problem Areas

✓ **Limited automation and ERP integration:**

Data generated in factories was scattered across various systems; **there was a need for a centralized, accessible, and integrated structure.**

✓ **Processes were dynamic:**

Production, quality, and downtime data required frequent updates. **Therefore, externally developed solutions hindered flexibility.**

✓ **Information gap between field and headquarters:**

Operational tasks such as sample collection involved manual processes for location, **timestamping, and verification.**

✓ **ERP systems fell short in operational transformation:**

While systems like SAP were powerful, **they could not respond flexibly and quickly to specific needs.**

➤ Solution: i-frame

Oyak Çimento developed various modules using the i-frame platform and launched them live. During this process:

- Quality, posture, and production modules have been digitized and implemented on the platform.

- Sample collection processes have been digitized end–to–end with mobile application and geographic location integration.

- Data from OSIsoft was processed in an i–frame and transferred to the SAP system using dashboard and KPI systems.

- Production and downtime reports are now accessible in real time by business units.

- Thanks to the Dynamic Code Library, complex data processing needs have been resolved within the organization.

Data processing issues were resolved thanks to **the Dynamic Code Library.**

Mobile-compatible field operations

Process-based customization

KPI-based live reporting and dashboard infrastructure

Erol Tosun, Operational Technologies Manager

"We positioned i–frame as a complement to our corporate ERP systems. From sample collection in the field to centralized reporting, we made our processes both integrated and flexible. Thanks to our management's vision and i–frame's infrastructure, our digital transformation projects are progressing smoothly."

— Erol Tosun, Operational Technologies Manager – Oyak Çimento