



## *Innovation and technology*

The Andalusian Technological Center for Stone and Marble (Centro Tecnológico Andaluz de la Piedra (CTAP)) is created by companies of the natural stone and marble sector and the Andalusian Public Government.

As a centre of innovation and technology dedicated to the natural stone and marble sector in Andalusia, the CTAP is interested in the best techniques on the market regarding continuous improvement of the stone and marble sector in order to make these Andalusian companies world leaders.

## *Strategic Partner Institute*

Collaboration between edinn and CTAP was started in 2007. The CTAP, as a promotional institute of technology and efficiency, has signed "partner" collaboration agreements with edinn. In this way, CTAP is assured of a close collaboration with edinn.

As a consequence of these agreements, two specialized edinn technicians are assigned to CTAP and its member companies.

## *High profitability for companies*

Thanks to the collaboration between edinn and CTAP the following has been obtained:

- Better control of resources and costs.
- Savings because papers (planning, schedules, etc) stopped moving around the plant.
- Incorporation of the same level of control as in the automobile or food sector, into the natural stone and marble sector.

Regarding Sandra López, responsible of the production area of CTAP: *"edinn, with its edinn® M2 product, is our strategic partner concerning productivity and efficiency improvements".*

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## *Full integration with ERP 's*

The functionalities applied to the natural stone and marble sector are the following:

- System for control and improvement of productive processes
- Statistical Process Control (SPC)
- Maintenance regulated by production (Autocontrol)
- Production regulated by procedures
- Automatic obtaining, through electronic monitoring, of the main production indicators (OEE, MTBF, etc.) and production reports.
- Control through cameras of production, signals or quality defects.
- Prediction and notification to the plant of the most probable failures to occur, by means of pattern analysis with neural networks.
- Control of the maximum times and autochanges of time usage and teams.
- Control of operators and resources (activity ratios)
- Contextual launching of documents or applications: zero papers.
- Allows programming any new need on the programming module (UDL)
- Full integration, in real time and through XML, with different ERP 's in companies where the system has been installed.

