

edinn[®] M2

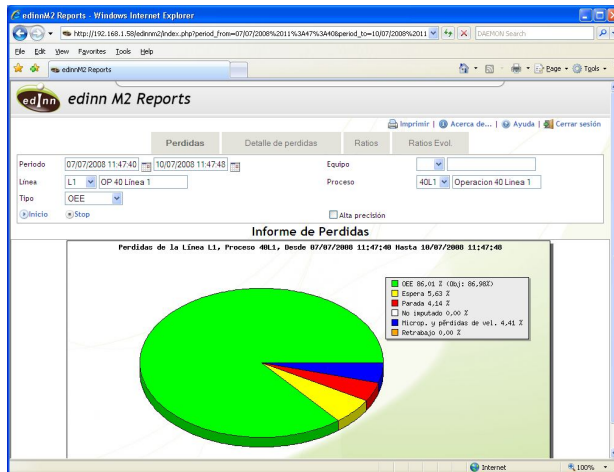
Improve your efficiency

Make your industry more profitable and competitive with edinn[®] M2, the only system that electronically monitors the productive processes and integrates all standards which are necessary for the improvement of the industry: OEE, SPC, Autocontrol, MTBF, MTTR, OPC and Energy Efficiency.

edinn[®] M2 is adding value day to day to multi-sector multinationals and it will help the client to achieve its production targets and thus maximize its benefits and growth.

Identification of losses

edinn[®] M2 shows you exactly, minute to minute, euro to euro, where the losses are. If a machine has a nominal capacity of 50 products per minute and we get an average of 30 products per minute, edinn[®] M2 will provide you instantaneously, in real time, details of each of the losses, with "names and surnames", which means, indicating the minutes and type of failures, idle times, minor stops, losses of speed, quantity of reworked or defective production.



Production and maintenance control

edinn[®] M2 shows you in real and aggregated time the machine's time usage and through which time usages it has passed, which it will probably pass (prediction with neuronal networks), its production "Profitability Path"[®], produced, defective and reworked production, which operators work on which machine, what is their activity %, the ratios (OEE, MTBF, MTTR, etc.) per machine and line, etcetera.

Obtain main production indicators

edinn[®] M2 calculates precisely and in real time the main standard production indicators, like the OEE, MTBF, MTTR y CPK. These calculations are shown in a efficient way via an internet browser and the more complex calculations are realized on the server.

Definition of the OEE

The OEE is a standard ratio used by the main production companies of the world (Toyota, Ford, Bonduelle, Metaldyne, Unilever, etc.). Its potential is to integrate, in one indicator %, the 3 main indicators: availability, efficiency and quality.

An OEE of 40% means that out of every 100 good products that could have been produced, only 40 have been produced. Afterwards, having examined the 3 indicators, we can see where the losses are.

Low costs and quick installation

Different from other similar systems, edinn[®] M2 is normally installed in one week by one person. It is not necessary to acquire additional software licenses. All this implies low installation and maintenance costs.

Visual, simple and easy to use

Internally, edinn[®] M2 is a very complex system.

Despite the complex inside, the outside is really intuitive, integrated and easy to use, in a way that any operator, even if he has never interacted with computers before, can use it. Even when he is wearing gloves while using the tactile screen. Therefore:

- Navigating is extremely easy.
- Its buttons and texts are of a big size.
- It is resized to fit the screen related to the terminal used at that moment.
- It forces to "think" as less as possible, eliminating any message or need of unnecessary decision, so that the persons can focus on the production process.

Support and maintenance

edinn[®] and its distributors offer the following free support and maintenance during the first year:

- Software guarantee free from errors or incidences.
- Unlimited support helpdesk (answers to user and technical questions by email and telephone).
- Provision of the necessary files and helpdesk support for the free updates to new versions.
- Subscription to the internal information bulletin about the system.
- Web access to documentation and support data base.

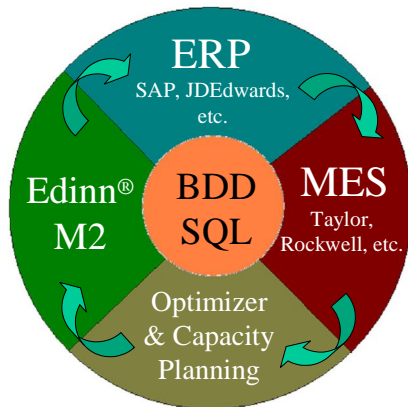
After the first year support and maintenance costs are 20% of the total license costs.

Project profitability

Profitability in edinn® M2 is mainly obtained because of the following reasons:

- Improvement of the production ratios, both in efficiency and in quality. This is achieved because plant personnel and Management achieve to reduce losses, in some machines almost unconsciously
- Elimination of the time used for manual production data taking, including the calculations, reports, distribution, etc.

Interfaces with other systems



Because the whole edinn® M2 system is based on standards (SQL, ODBC, OPC) it is easy to integrate with other systems.

This makes edinn® M2 the ideal tool to manage critical production information, like scheduling, working orders, etc. from ERP, MES, etc., and to get feedback on what is happening at production level.

edinn® M2 offers you integrated in 1 system:

- Automatic monitoring of processes and persons, with activity ratios, reports and main standard international KPIs.
- Production losses analysis through international standards (OEE, MTBF, MTTR, etc.) and its main reports.
- Registry of structured and non-structured information.
- Process maintenance regulated by production (autocontrol).
- Quality control through Statistical Process Control (SPC).
- Maximum time control and automatic changes of time usages and teams.
- It warns the operator for the following most probable stop to occur.
- Contextual launching of documents or other applications.
- 100% configurable by the user, including the capture of electric signals.
- 100% multi-user, multi-plant, multi-language, multi-sector, etc.
- 100% robust, reliable, open and connectable to other systems (SQL, ODBC, etc.).
- Ideal for telecontrol of industries due to its ability to run at high speed, remotely through the internet, or even with industrial noisy networks on WiFi.
- Really simple and intuitive.
- Energy efficiency module incorporated.

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Efficiency is your future

Edinn is the company that develops the most advanced systems to improve efficiency. Efficiency improvements make processes more profitable, competitive and ecological.

Guided by the vision 'Anywhere a productive process exists, there should be an edinn system'; edinn is revolutionizing the way in which efficiency is improved.

This is the reason why multinational and small companies from all over the world use its systems 24 hours a day, everyday.