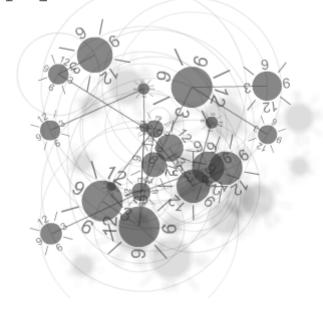




TAILOR MADE SOFTWARE SOLUTIONS, DESIGNED FOR YOUR COMPANY Each industrial process is based on **time factor**, we can help you to control it.







POLIFEMO XE

Monitoring Schedule and Production Management





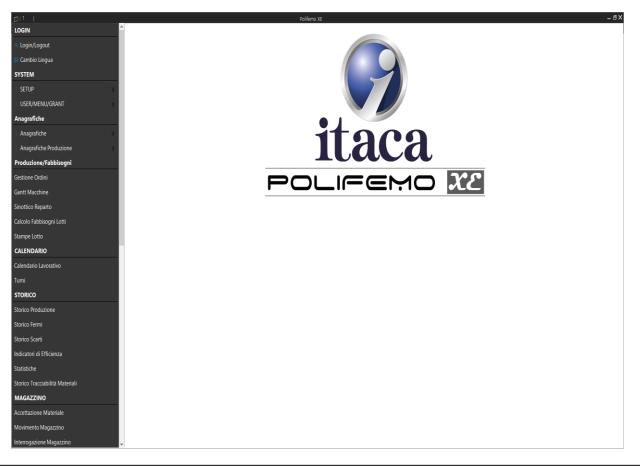


Main features

- **Communication** and data exchange with company software system or "stand alone" option.
- Production scheduling using a Gantt chart by Drag & Drop.
- **Synoptic of** department production with **real time** visualization.
- Synoptic of machineries to analyze and manage production and parametric data.
- **Production timeline**, downtime, scraps.
- Statistics and production efficiency indicators.



HOME PAGE - MAIN MENU



Homepage with menu and features, **designed** on user's needs or on Client's stations.



COMMUNICATION AND DATA EXCHANGE WITH COMPANY SOFTWARE SYSTEM OR "STAND ALONE" OPTION

The program can work both ways, depending on your needs.

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Polifemo supervision software enables management of items, boms and production orders.

We can define choosen items, or take them from Customer's management program.

We can add **pictures or photos** to items to recall their shape or composition.

The solution involves the use of a **production server** as a data collector and **multiple clients** within the network, with variable accesses depending on location and user.





ARTICLES LISTS FOR SOLES AND INJECTED SHOES PRODUCTION

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For molding of **soles and injected shoes**, we add the management of **sizes** to the article list mentioned above, with its production indicators, which can be set for each single machinery and shoe size.

The system provides product master data for **molds by serial number/measure**, which can be associated with item sizes in order to check availability during planning.



PRODUCTION SCHEDULING

GANTT chart showing machinery scheduling.

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Each "brick" means an order or a production batch.

Scheduling is updated and realigned **in real time**, thanks to the direct connection with the department machineries.

The system provides different useful information such as **production completion forecasts, workers' engagement, equipping times**, etc. Scheduling involves the working calendar of the machineries, which can be set and changed.





SOLES AND INJECTED SHOES PRODUCTION SCHEDULING

GANTT chart showing scheduling of each single rotary machine.

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Each "brick" means an order or a production batch.

Scheduling is updated and realigned at the operator's command, based on real time information from department machines.

The system provides information on individual "bricks", including **production completion forecasts.**

The Gantt chart **can be highlighted** in various ways to optimize scheduling (e.g. **mold, material, material color, mold/shoe size**).

Scheduling may also be displayed in classic "Remove/Insert" table format.





PRODUCTION SCHEDULING

Drag & Drop option.

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While scheduling, user just **select** the order raw and "**drag**" it to the machine level.

The system, using data from bom list, will automatically allow the release of the order brick only on **suitable machines, compatible with production** of that specific item.

Scheduling can be carried out with **automatic levelling**, as well as manually. Our software, through calculation algorithm will "hook" various programmed orders, according to criteria chosen by the operator.

With the same screen user can search for what has been programmed using the "**Color/Search**" mode, which allows all optimization (by material, by article, by batch ...).





SOLES AND INJECTED SHOES MOLDING PRODUCTION SCHEDULING



Scheduling is carried out from the office desk to machine ui. **A simple and intuitive interface** shows the sequence of mold changes to be made on every machine.

The single scheduled batches are **automatically re-aligned:** Polifemo software reduces the laps needed to complete the order, only if the actual casting of the material is recorded.

From this page the **operator confirms the beginning of the production** of the next batch, making sure that the system sends the new parameters to the machine, thus allowing **automatic tooling**.



DEPARTMENT SYNOPTIC

Software, thanks to department synoptic, allows a real-time display of the machines status.



Our synoptic is equal to the **corporate layout** of production departments. We have **real-time useful information**, such as machine status, duty cycle, order progress, various alarms set up from personal data, the operator code, etcetera. **Connection to machines** is defined according to the type of machine itself.

If possible, we prefer connections through predefined standard communication protocols, compliant to **Industry 4.0 protocol**.





MACHINE SYNOPTIC

Here you can find information available for operator and activities that can be performed.



Department Operator, using machine synoptic, can display information on **production**, such as duty cycle progress, rate of job progress, downtime during shift, expected end time and so on.

Operator can carry out **useful** activities for proper functioning including definitions for downtime, waste management, production change, alarm management, batch allocation of used materials.

Operator can also view the phase sheet, containing **information on machine working parameters** and further documentation, if any.





PRODUCTION TRACKING

Software supplies production data tracking, thanks to an advanced filter search.

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250 - 250 BMB	08/11/2017	3 09/11/2017 02:33:28 09/11/2017 02:34:12 0.00		2017-OP-0015242.1	[IT] INTERVENTO TECNICO
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			.18.11	T	[MC] MANCANZA CARTON [RD] ROTTURA DOSATORE
1				+	

Our software can track production, **downtime and waste**, split by cause, by machine, by article...

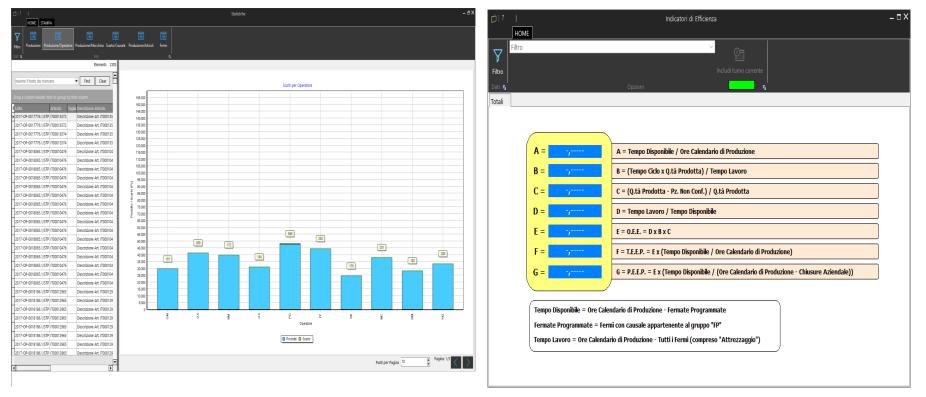
Charts with data are available in standard formats and can be exported in many formats, as well as being structured as **Pivot charts.**





EFFICIENCY INDEX AND STATISTICS

Software releases production statistics and efficiency index.

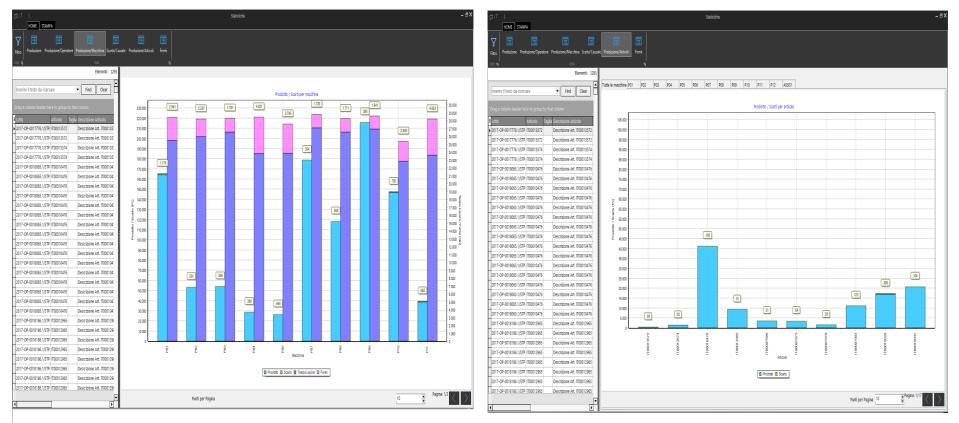


According to customer's needs we can build specific **KPI** and **O.E.E**.





STATISTICS REPORTS

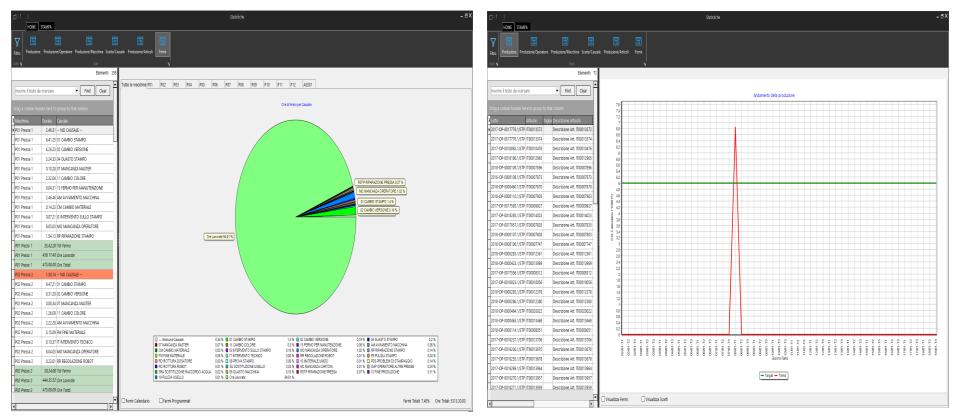


Charts and reports with data split **by machine** and/or **by article**.





STATISTICS REPORTS



Charts and reports with data split by machine downtime cause and/or by production timing.





POLIFEMO XE will provide

- Batch need assessment.
- Operators time assessment
- Manufacturing process management
- Quality Control on every single order, with specific alerts.
- Maintenance Control with specific alerts.
- Label printing management.
- Material traceability and tracking.
- Document Management in PDF and JPG format.





Production Management System POLIFEMO XE main features

- Modules integrated with customer management system.
- Customized interfaces.
- Operational flexibility.
- Clients managed from more platforms, fixed and mobile.
- Tracking data exportable in standard formats.
- Alert management with customized outputs.
- Compliance with Industry 4.0 requirements.





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