



*Angelantoni*  
MORE THAN YOU THINK

# MyKratos

The hyperconnecting  
Software

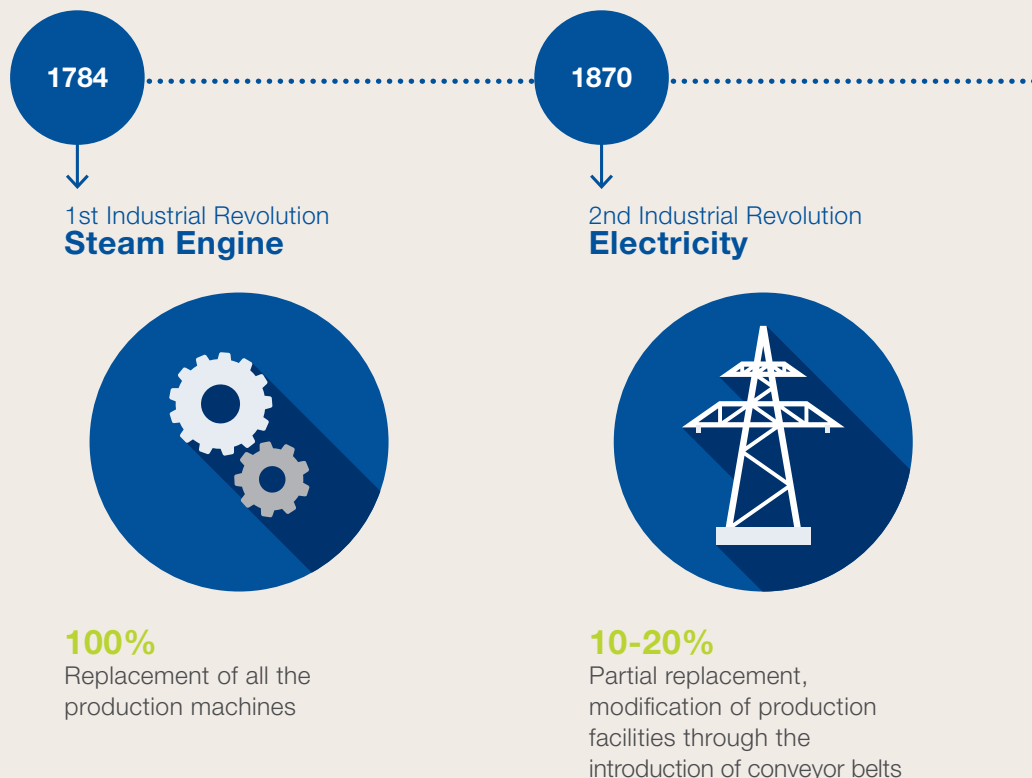


# Interconnected Systems: the key trend in the 4<sup>th</sup> Industrial revolution

The hyper-connectivity is not only applied to the objects used every day such as the smartphone, but it marks the advent of a new industrial trend, which is offering companies new development prospects on markets that are increasingly demanding and innovative.

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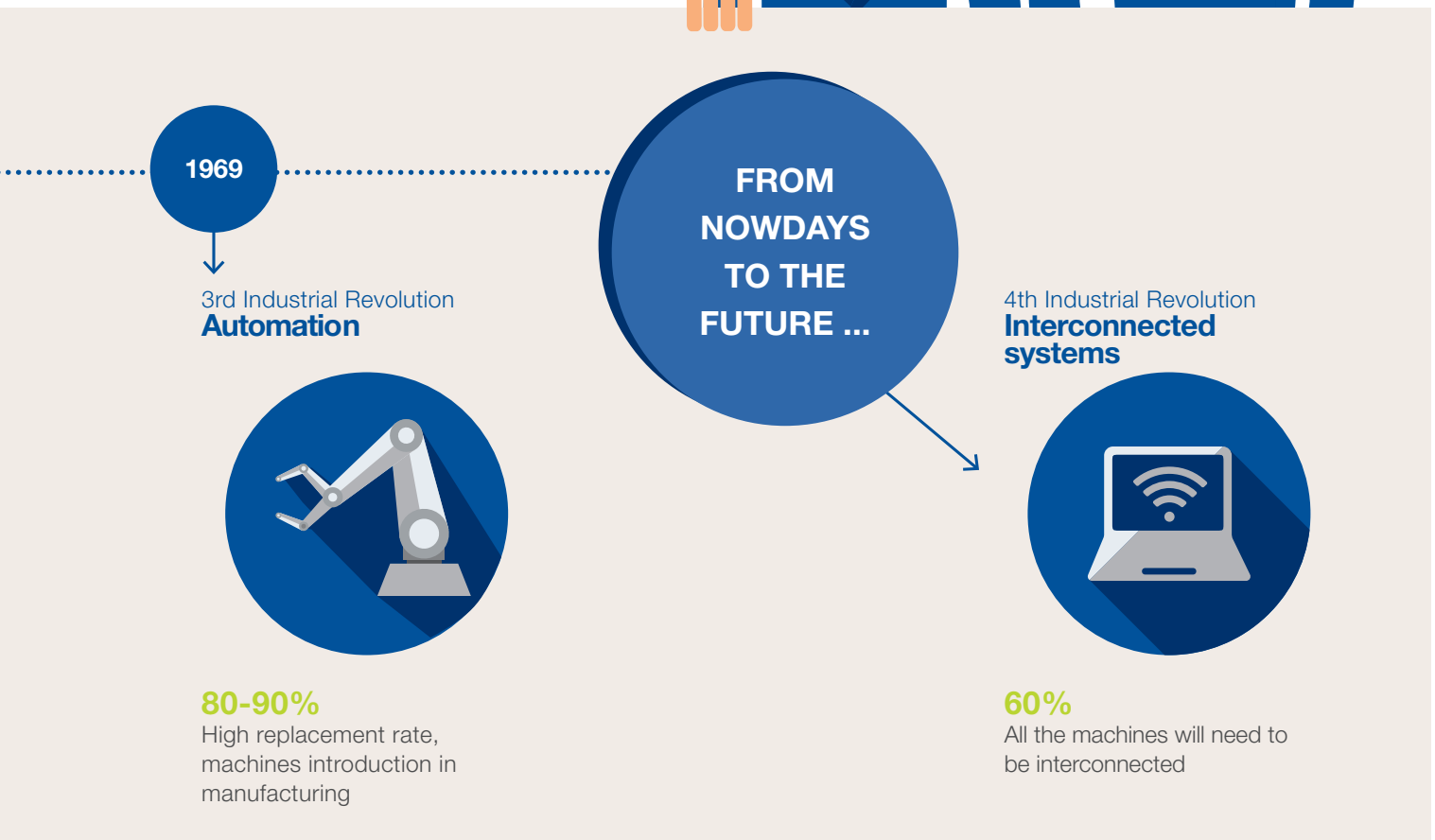
## PRODUCTION MACHINERIES SUBSTITUTION INDEX



Smart machines are able to **prevent problems** and **downtimes**, dealing efficiently and rapidly with problems, and **optimizing maintenance costs** by collecting and processing data that can be used to monitor performance.

**ACS is focused on innovation** and is the first manufacturer to equip test chambers with **hyper-connectivity technology**, providing technological solutions and services that meet current and future needs.

It will be possible to intervene with the utmost efficiency, planning the necessary actions in time, minimizing downtimes, lowering maintenance costs by efficiently planning the activities.





# The first intelligent climatic chamber

**MyKratos™** is the management software embedded on the machine in a dedicated, totally integrated hardware module that permits the control and management of the chamber's functions.

**MyKratos™** requires no installation and is accessible from a PC via web browser (Google Chrome, FireFox) or through the **free app** developed for mobile devices (tablets and smartphones).

4 |



MyKratos™ App  
free download



It is possible to have **multi-users** and **multi-level connections**, even coming from different devices. Once the chamber goes into execution mode, the user that started the test becomes its sole manager, allowing others to consult it in read-only mode and to set the subsequent cycles. All data are saved inside the chamber built-in datalogging, so they are always available to the users regardless of the device used.

Chamber management is always possible through **few, simple steps**, whether inside the test lab or anywhere else.

## test lab



## anywhere at anytime

### ALWAYS CONNECTED

**EXAMPLE:** ACS chamber is placed in a Test lab located in **Germany** and it is running a test. Customer is in a business trip in a foreign country and wants to verify the test parameters on going.



### Vpn Connection

MyAngel24™ Log-In through Web Browser



### CUSTOMER TEST LAB (MyAngel24™ ON)

- Control chamber parameters
- Check on-going test
- Check old recorded tests
- Stop and modify test parameters
- Start a new cycle
- Create and save a new test profile



# Assistance you can count on

**MyAngel24™** is an online diagnostic and remote assistance system included in the chamber basic configuration. Through the chamber's local panel or by remote, **Customer can activate or deactivate at any time MyAngel24™** connection with Angelantoni server (activation on demand).

6 | Once activated, Angelantoni Server acquires data coming from the chamber for diagnostic analysis and allowing ACS to grant a 24h remote assistance.

**ACS service staff can identify the problem and if possible, solve it remotely**, or at least identify parts that may need to be replaced and check their stock availability in order to schedule an utmost efficient on-site intervention.



# Maintenance Cost Reduction

**MyAngel24™** activation means:

## **Less on-site intervention**

- MyAngel24™ permits the identification of problems with a remote test and an examination of the recorded data
- Depending on the problem at hand, ACS can solve the problem directly from remote, avoiding on-site intervention just for troubleshooting

## **Reducing chamber downtime**

- ACS is able to schedule the maintenance, according to the chamber testing plan, thanks to the main components life-cycle monitoring

## **Utmost efficient on-site intervention**

- Service staff knows which part is causing the problem and is ready for its replacement before on-site intervention

## **Remote support**

- ACS can adjust PID parameters remotely
- ACS can make changes to PLC programs remotely for chamber optimization



# Make your job easier

myangel24

ON  OFF

8 |



ACS verifies remotely the nature of the problem and informs the Customer. Depending on the problem, **two different solutions** are possible:

## 1° SOLUTION



ACS remotely adjusts and modifies the chamber parameters and solves the problem avoiding on-site intervention.

## 2° SOLUTION

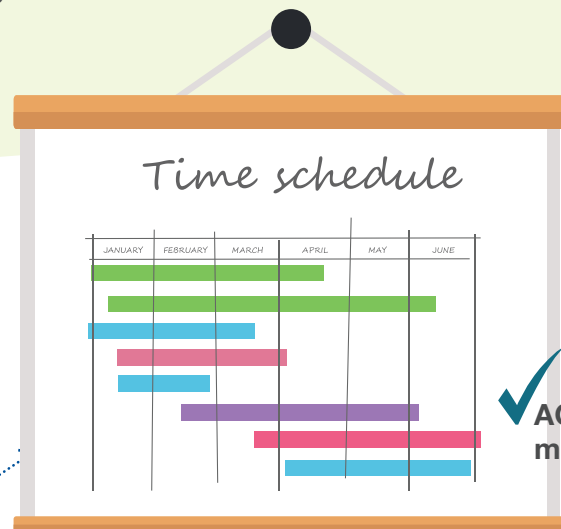


ACS identifies parts that may need to be replaced and checks their stock availability in order to schedule an utmost efficient on-site intervention.





The chamber sends to ACS a notification that one of the monitored component is reaching the end of its useful life.



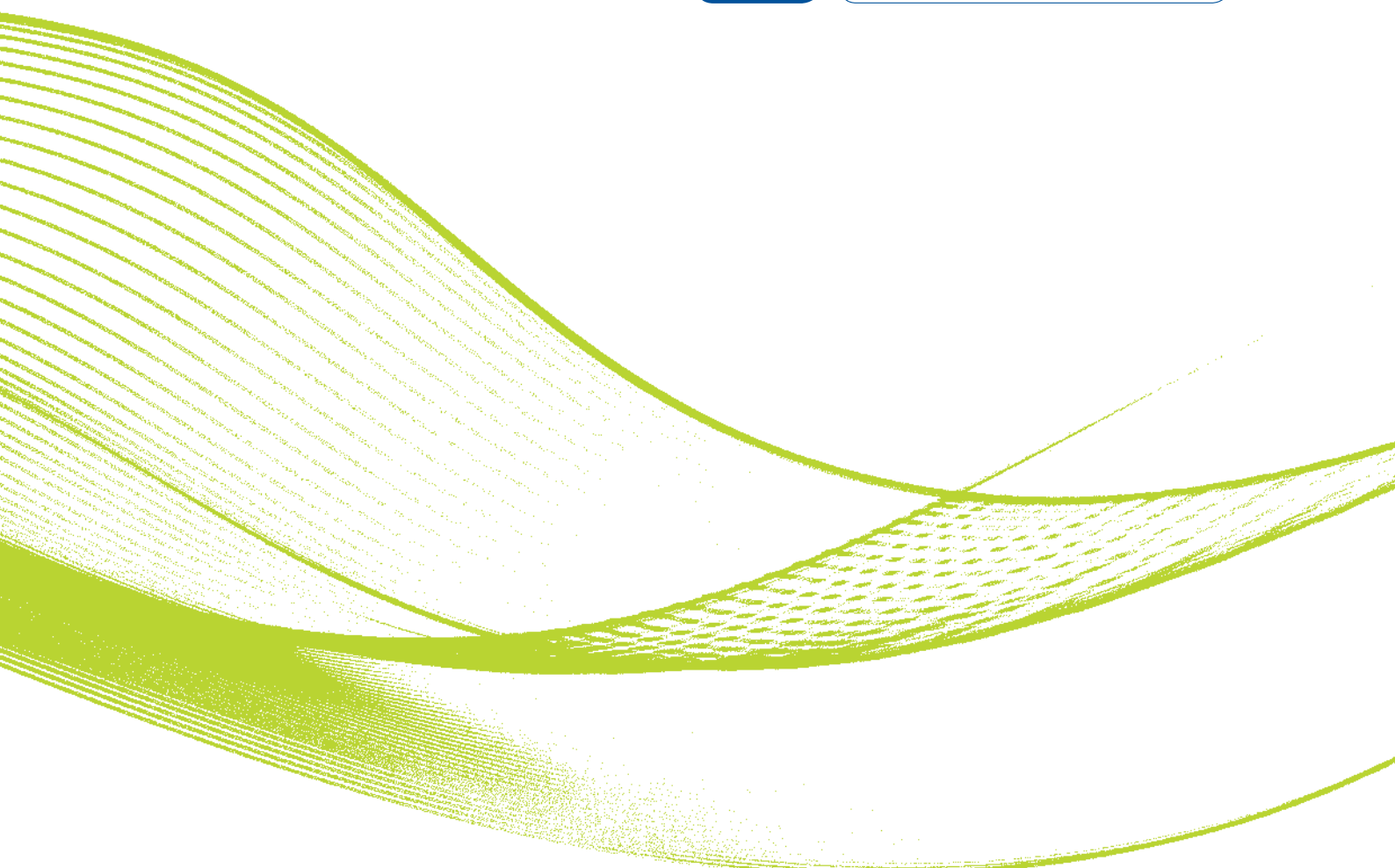
ACS informs the Customer and schedules the preventive maintenance managing the proper spare part availability according to Customer testing plan and avoiding unplanned downtime and unforeseen urgent maintenance.



**Angelantoni Test Technologies**, owned by the **Angelantoni Group**, is the only company capable of offering a comprehensive range of environmental test chambers - **ACS** branded - for a great variety of applications, thanks to the expertise and technical know-how of its teams of experts. Innovation, flexibility and organization have always been the keys to success for ACS, world-famous since 1952 also for its high-tech test equipment such as Thermal High Vacuum Chambers for Aerospace applications and Calorimeters.



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For customer service, call 1300-735-292

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To order online: [thermofisher.com](http://thermofisher.com)

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