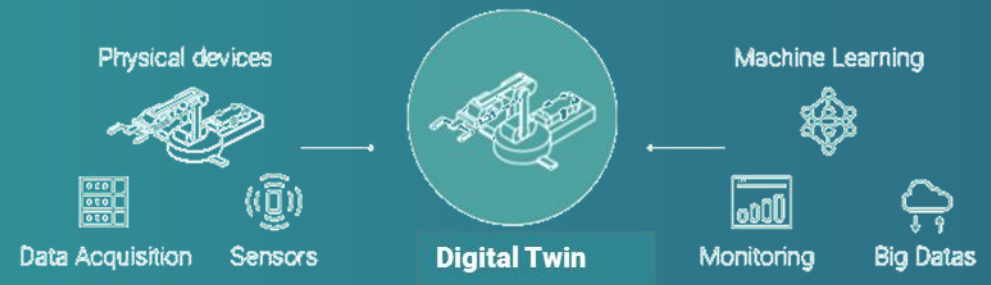


SMART SYSTEMS



IRS group

IRS Ingegneria
Ricerca
Sistemi

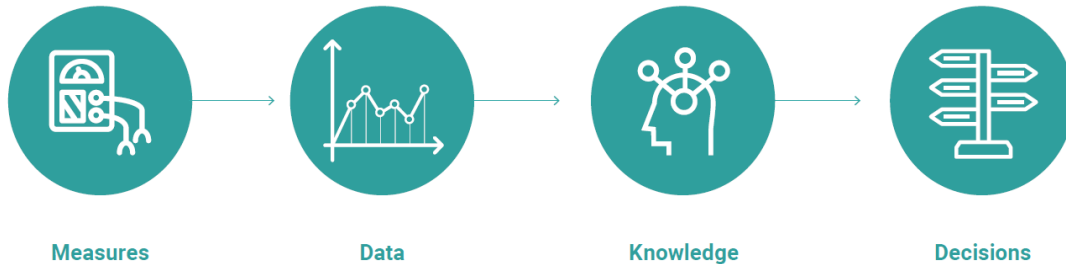


-
- 01. IRS group:why, how, what**
 - 02. Digital twin and ML**
 - 03. Smart factory and Industry 5.0**

IRS group: why, how, what

01. IRS group: why, how, what

Why?



It can be done better.

How ?

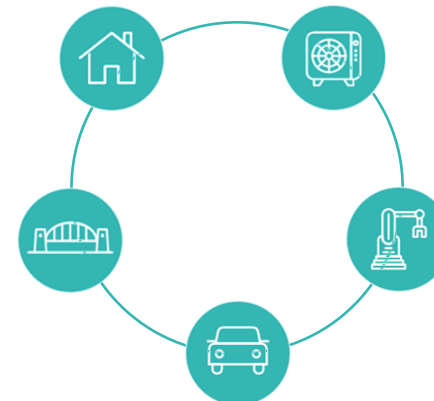


Innovation.

Increase customer value generation going beyond traditional solutions.



What?



Think to your daily life. Chances are that you saw a product tested using our systems.

01. IRS group: why, how, what



<https://youtu.be/V6h8VWY-Wpo>



Our mission and vision

Deliver augmented measurement, test and control solutions. IRS aims to be the company leader in development, manufacturing and delivery of test, measurement and control systems. IRS systems translate into value for customers thanks to technological innovation, advanced modeling and design as well as professional production and after sale services.

Increase customer value generation going beyond traditional solutions. We enable our clients to increase their value generation, going beyond traditional monitoring and control solutions, by providing self-intelligent subsystems for embedded industrial applications at a highly competitive cost of ownership.



Client focus



Innovation

We are uncovering a better ways of developing solutions and systems. Through our agile organization we have come to get efficiency, flexibility and customer satisfaction. Agile principles we apply are:

Customer first

Value driven iterative system developments

Customers, developers and testers continuous interaction

Continuous attention to technical excellence and good design



Team work

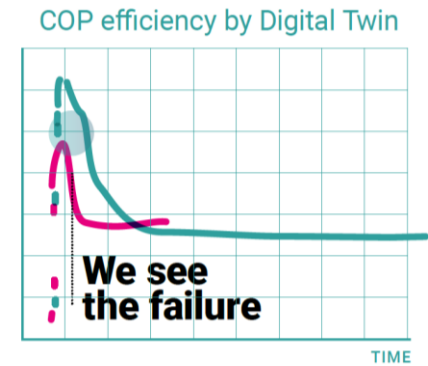
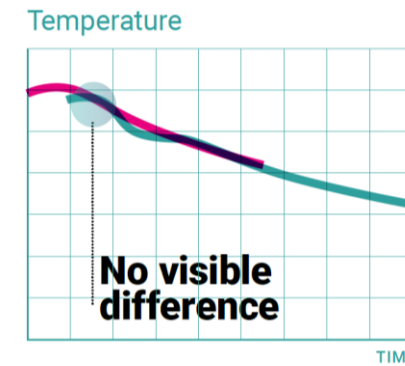


Efficiency

Digital twin and Machine Learning



Shorter testing time



Better accuracy and quality

Physical end-of-line-testing



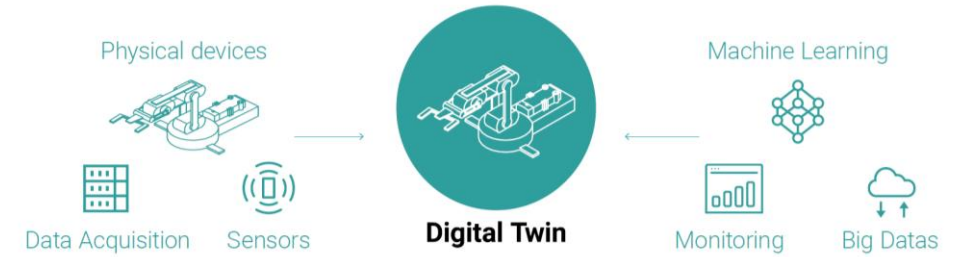
The chiller cannot be fully tested in production end of line

Digital Twin
Virtual end-of-line-testing



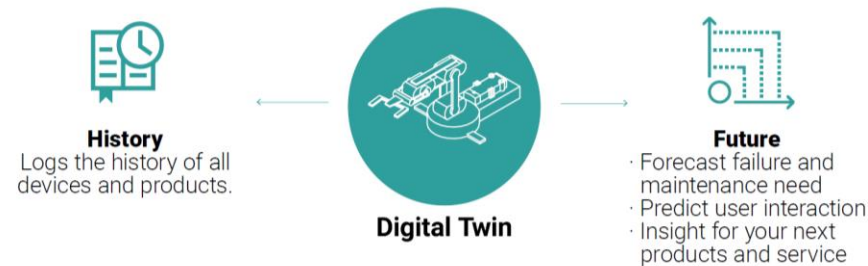
Thanks to the digital twin, virtual conditions are verified

Testing in unfeasable conditions

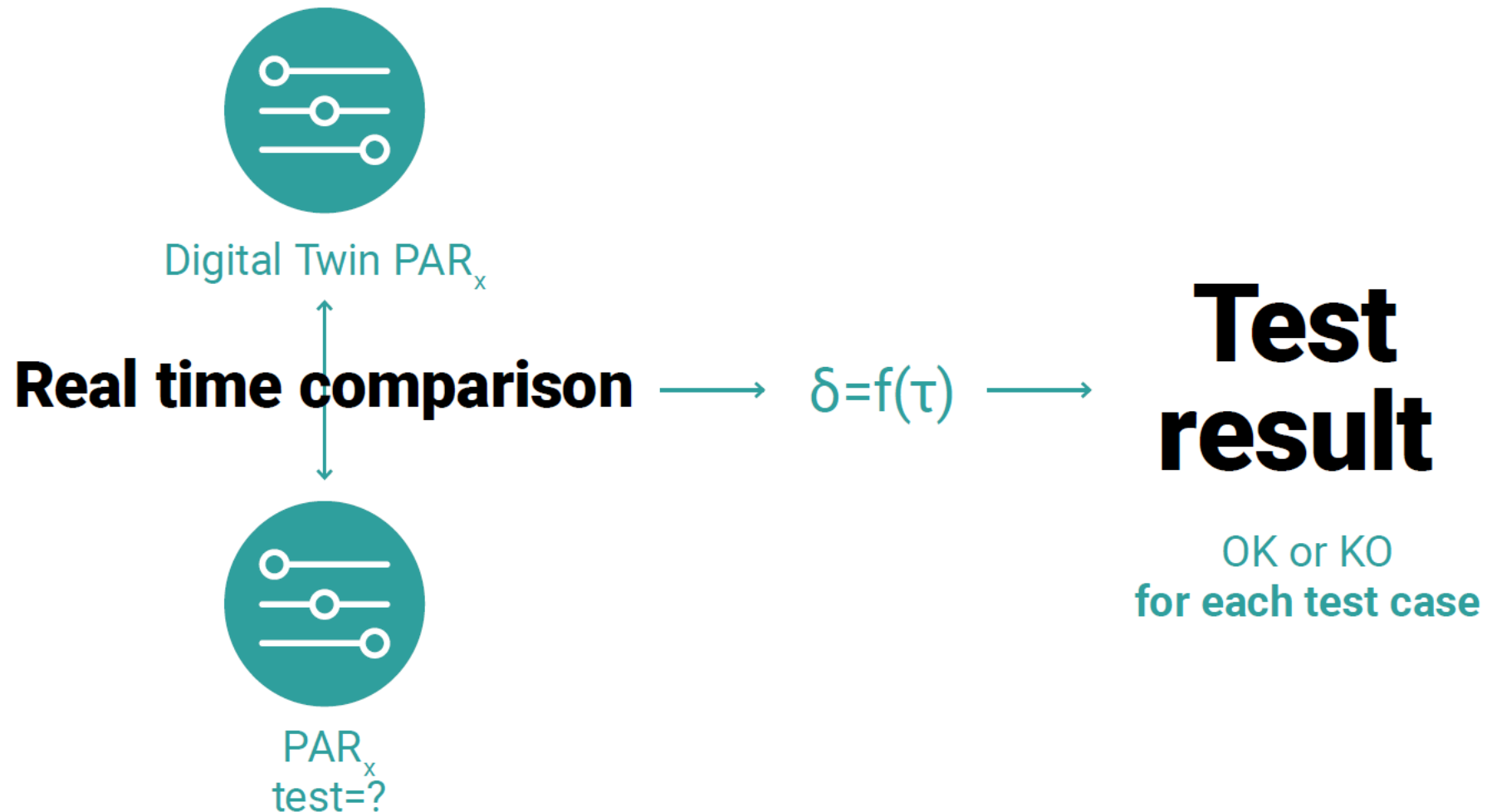


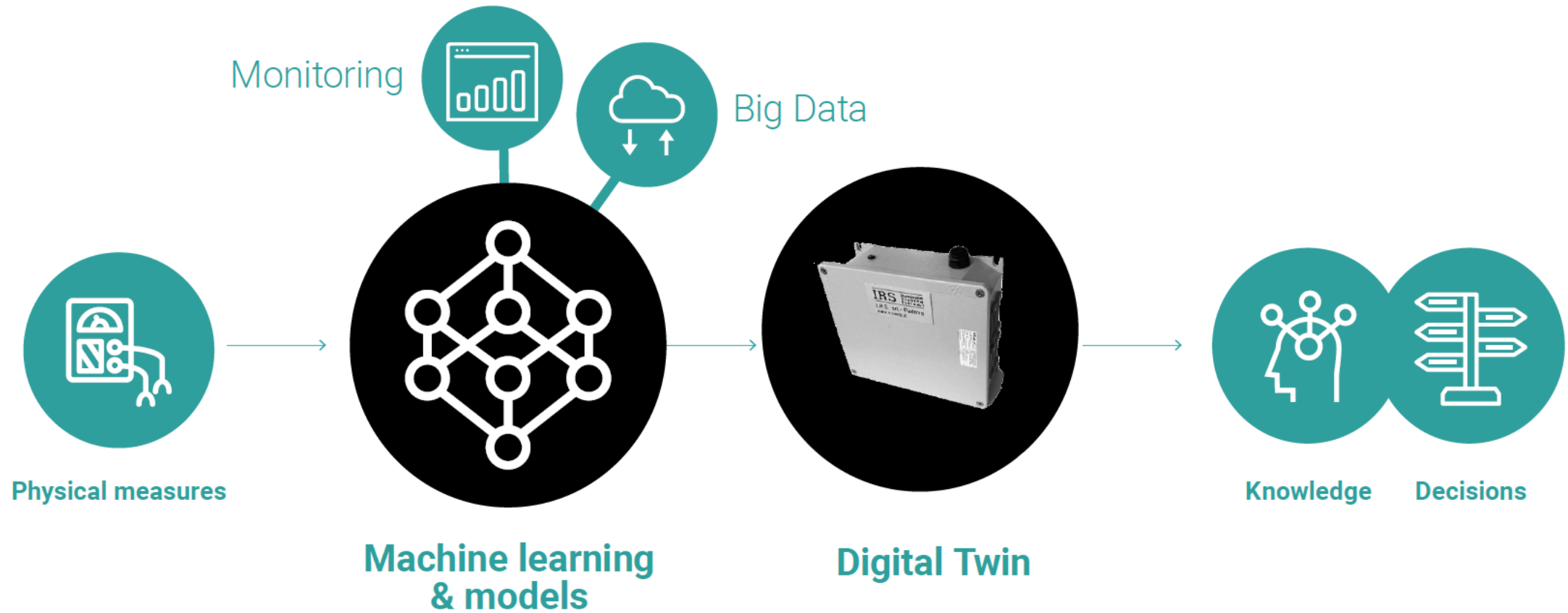
A Digital Twin is a **real-time** digital replica of a physical device

It is a bridge between the physical and digital world.



It is more than just a digital replica







**Real time online
measurement platform**



Machine learning models

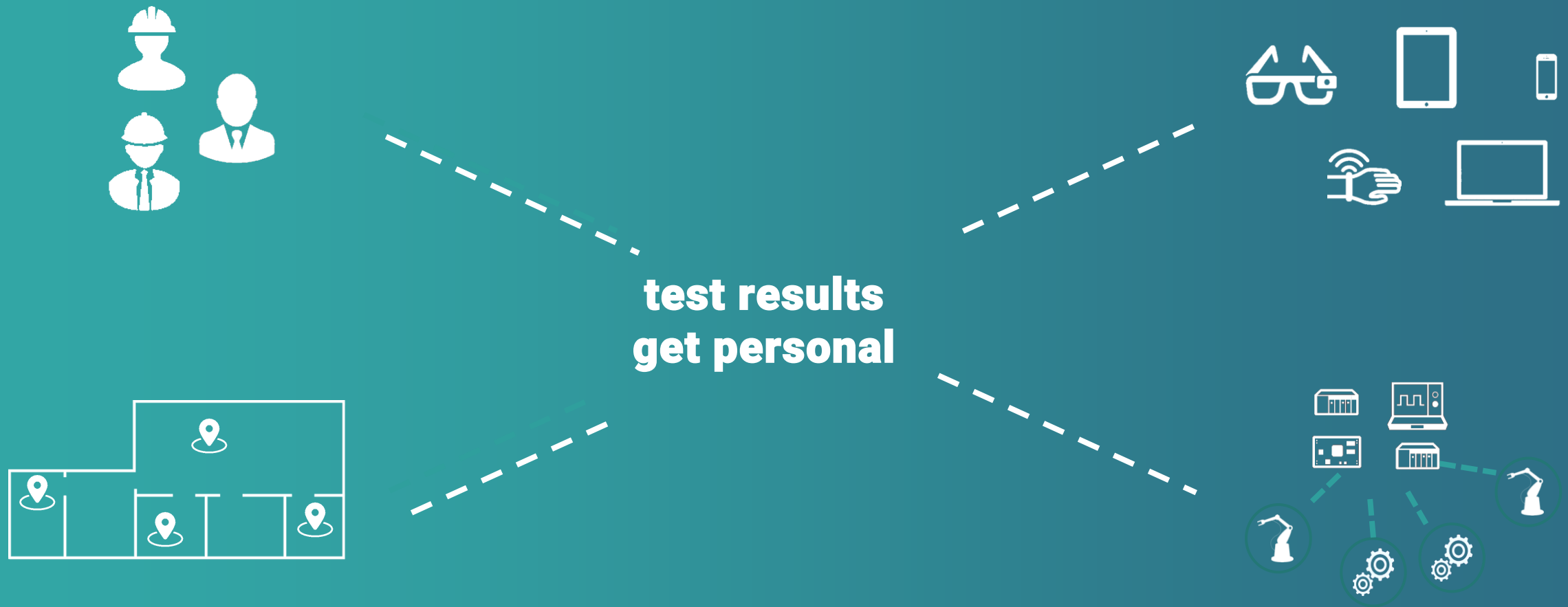


TwinMind®

CompactRIO
Single-Board inside



Smart factory and Industry 5.0





**Message
for workers**



**Message
for worker supervisors**



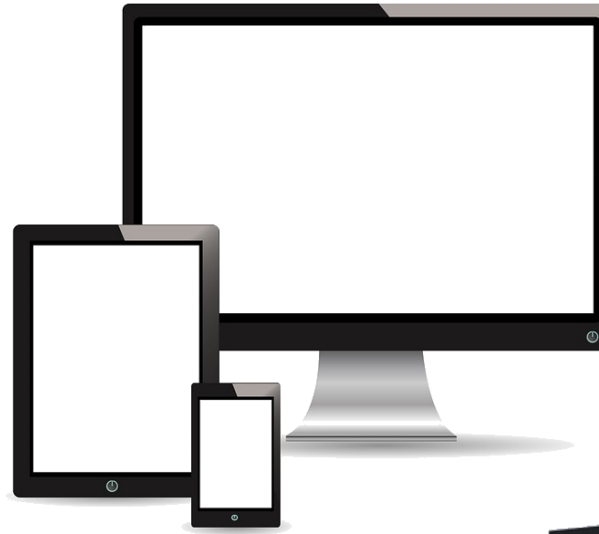
**Message
for managers**

Location based message





Personal Device Interface



**test results
get personal**



Thank you!



info@irsweb.it

bacchiega@irsweb.it

bondani@irsweb.it