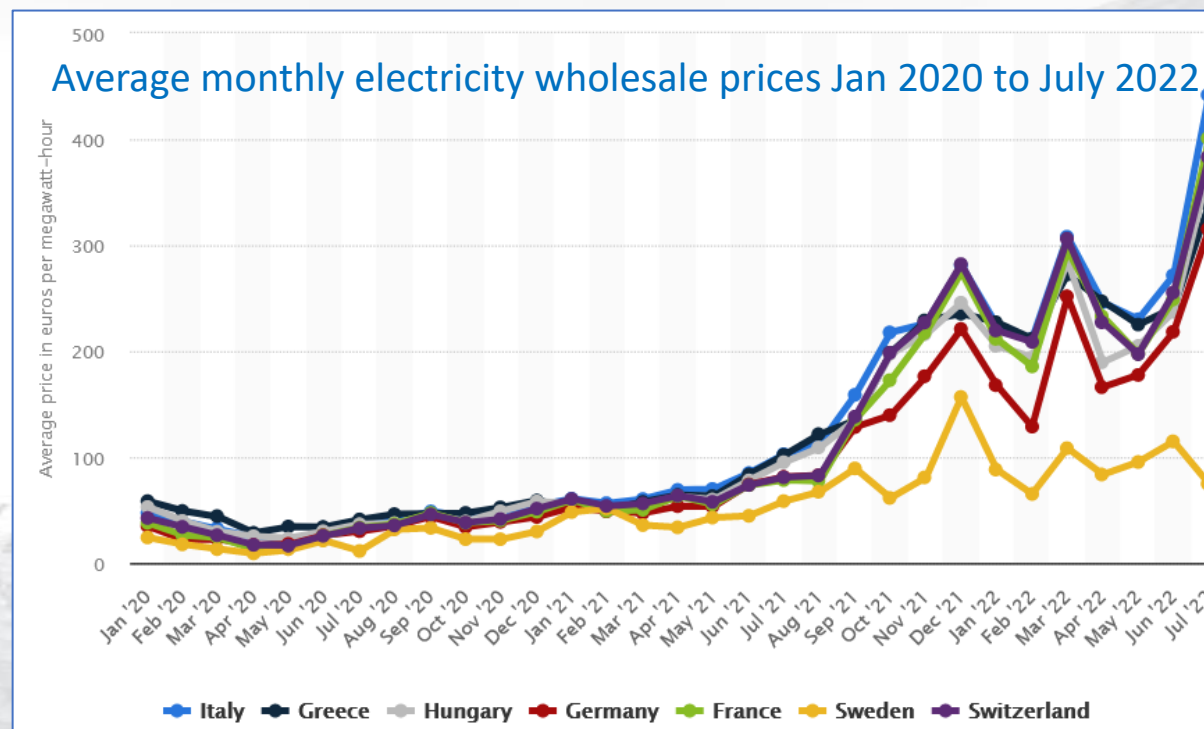


Certification of building systems quality

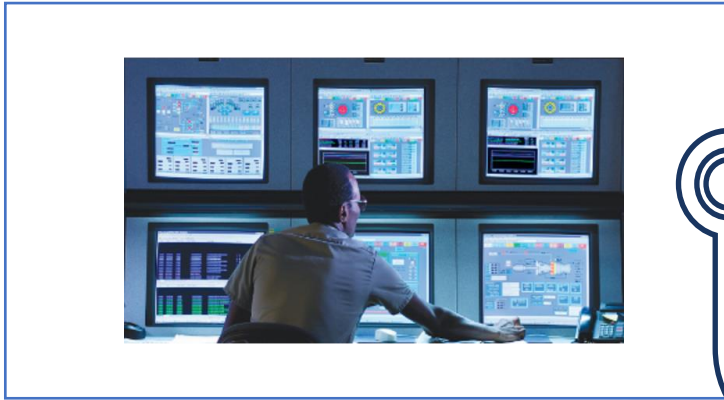


A challenging environment



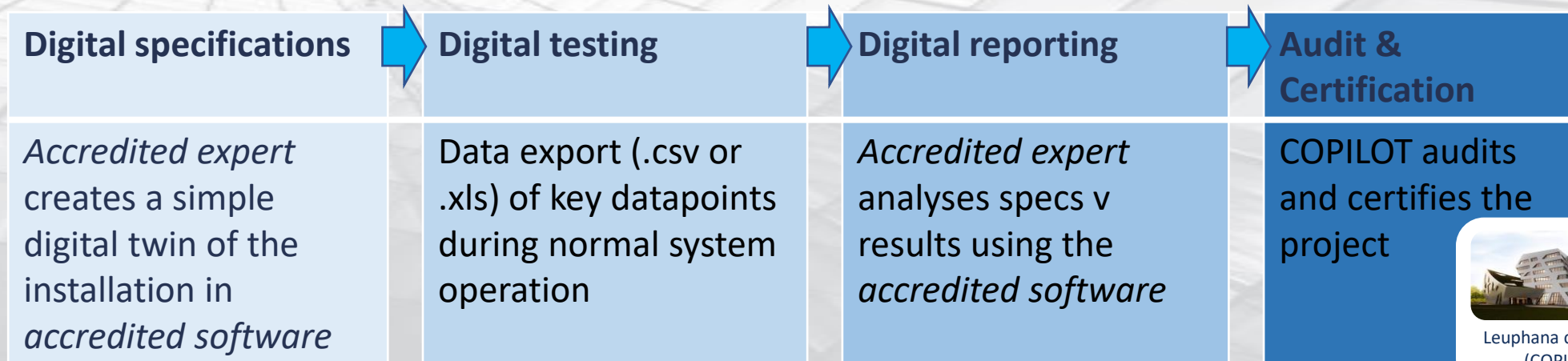
Buildings that work properly save money – directly and indirectly

Certification of Digital Due Diligence (HVAC & Automation)



Certification of analysis of how a building's real performance compares to expectations

Certification of Digital Due Diligence (HVAC & Automation)



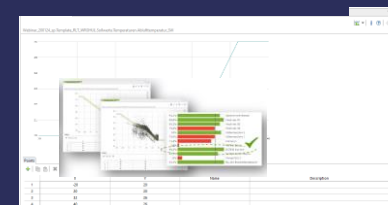
Why certify Digital Due Diligence ?

Due diligence... digitally

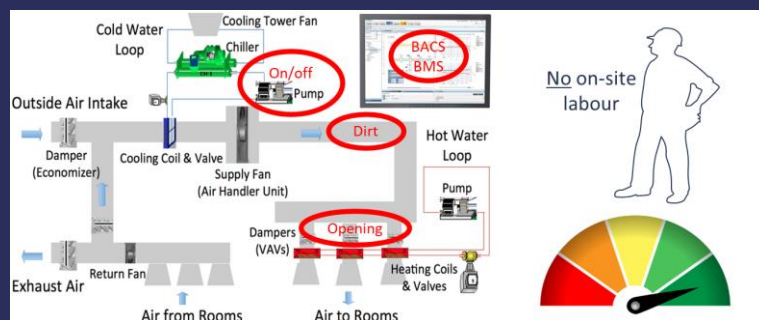
Traditional Test



COPILOTed Test



Use real performance data to find problems



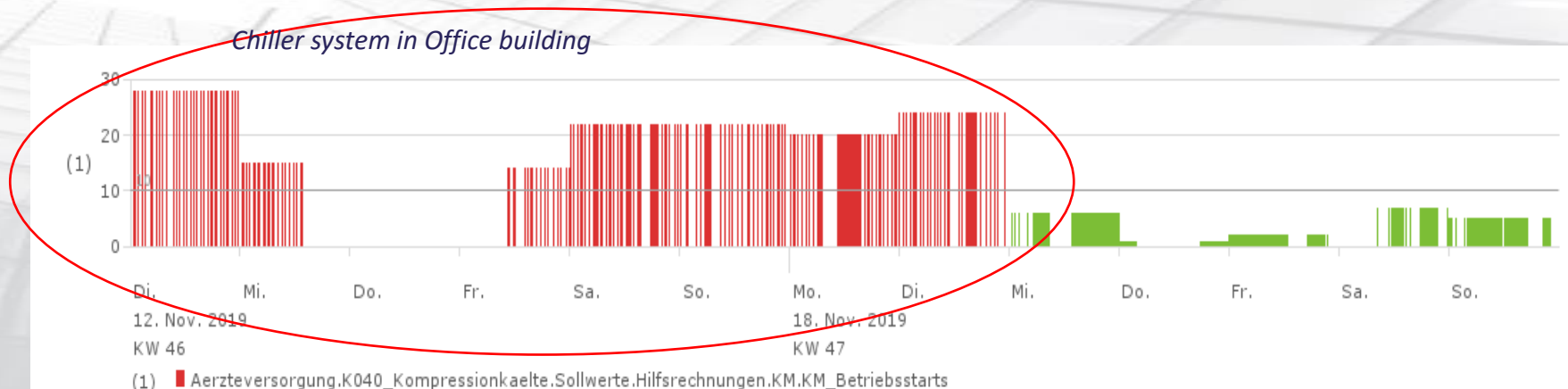
- ✓ Handover & Functional operation
- ✓ Preventative maintenance
- ✓ Troubleshooting & Diagnostics

Why certify Digital Due Diligence ?

Payback example: Preventative maintenance

Result: Identification of heavily pulsating chiller
(high frequency on/off) ➔ High risk of early failure

➔ Eliminate -50% life expectancy generating immediate ROI



Certification of Building Commissioning



Accredited experts
in Turkey



Certification that design, engineering, installation and operation respects Client Objectives for the building



Accredited expert
verifies all stages in
construction process
(or in 1 selected phase)



COPILLOT Building Commissioning Certification

COPILLOT is owned by non-profits
– mainly by Eurovent



Intellectual property developed by independent experts from around the world

What does COPILLOT propose?



Become an accredited expert

- ➔ 2 hours training for Certified Digital Due Diligence
- ➔ 3 days training for Certified Building Commissioning



COPILLOT Certify your building projects

- ➔ Differentiate your offer and reassure your client

Why certify Digital Due Diligence ?

EU « H2020 » project QUEST provides return on investment circulations for COPILLOT Certification



De-Risk Your Building Project

What is the type of the building?	Office	✓
How do you rate the experience in the technical teams managing the project?	Medium confidence	✓
What is the estimated project cost (per m ²)? <i>Build/renovation/refurbishment/technical installation including design work</i>	1000	✓ €/m ²
What are the expected operating expenses per m ² per year (OPEX/m ² /year)? <i>Energy, operation & maintenance</i>	20	✓ €/m ² /y
Define the time horizon that the rating should consider for your QM-investment (minimum 5 years, maximum 20 years.) <i>This value is used to capitalise annual savings</i>	10	✓ y

Quality Management Services	Cost (per m ²)	Value-add (per m ²)
Certified Technical Monitoring (ex. COPILLOT)	1 €	13 €
Certified Building Commissioning (ex. COPILLOT)	10 €	63 €
Certified Green Buildings (ex. DGNB, LEED)	20 €	20 €

Tool development partners:



Try out the QUEST Predictive Valuation Tool! - project-quest.eu

Thank you!

27 October 2022

presented by
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Eurovent Certita Certification
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Cormac RYAN, COPILLOT, CEO
c.ryan@copilot-building.com

 **16:45 - 17:30**

 **Palmiye**



Information Session:
COPILLOT – Building
Commissioning
Certification