

SafeTest

Safety and privacy protection when
using test beds remotely

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Partners: AP&T, Prindit, RISE, Sicomp

Funded by VINNOVA #2021-02430

Total budget 4625 kSEK

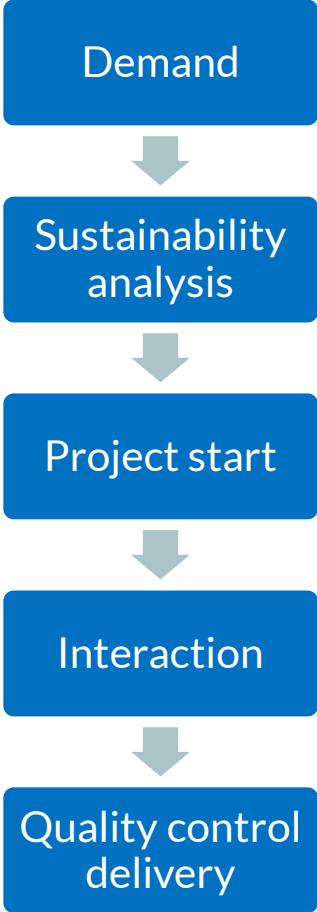


Project stakeholders

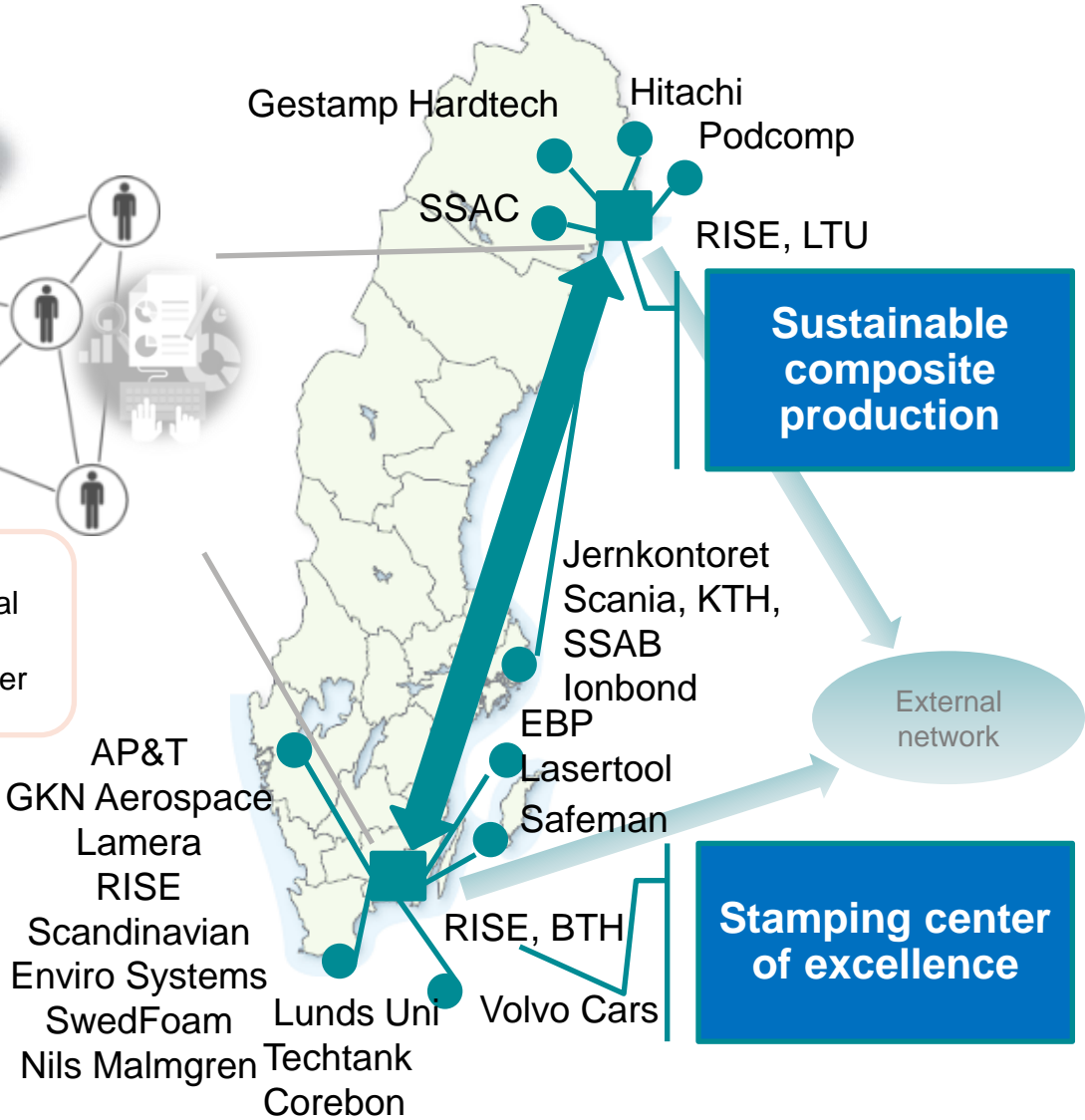
Industrial actors who conduct measurements in a test facility or production environment at a distance and where analysis of sensitive data is needed.



Case 1-2 RISE Forming Test Beds

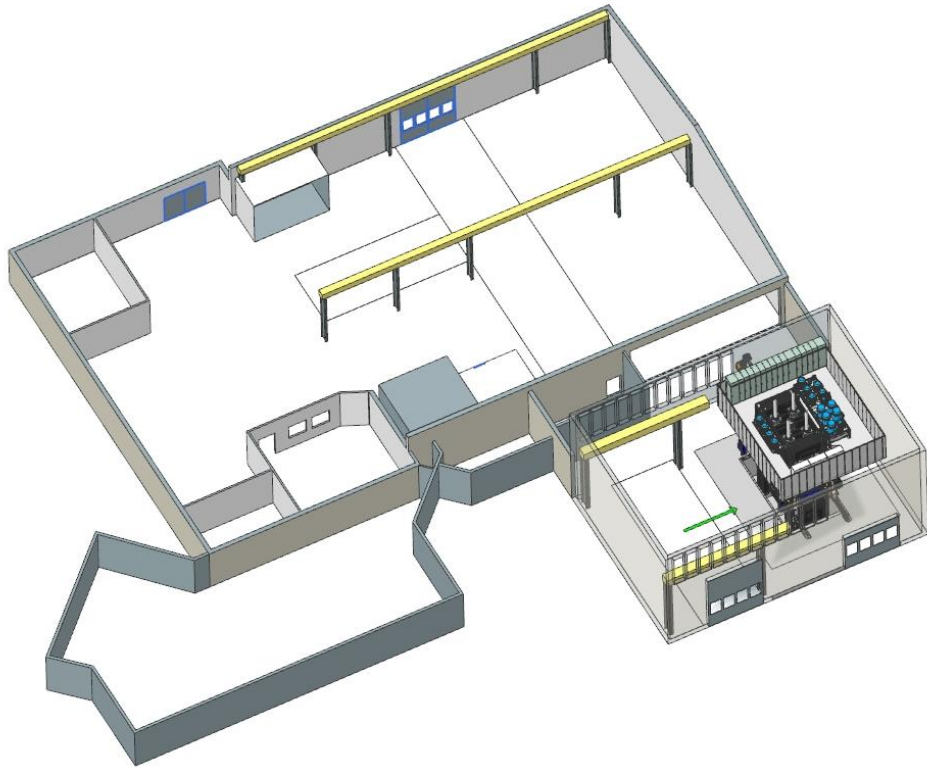


Customer portal
 Virtual collaboration in real time testing
 Expert support from all over Sweden

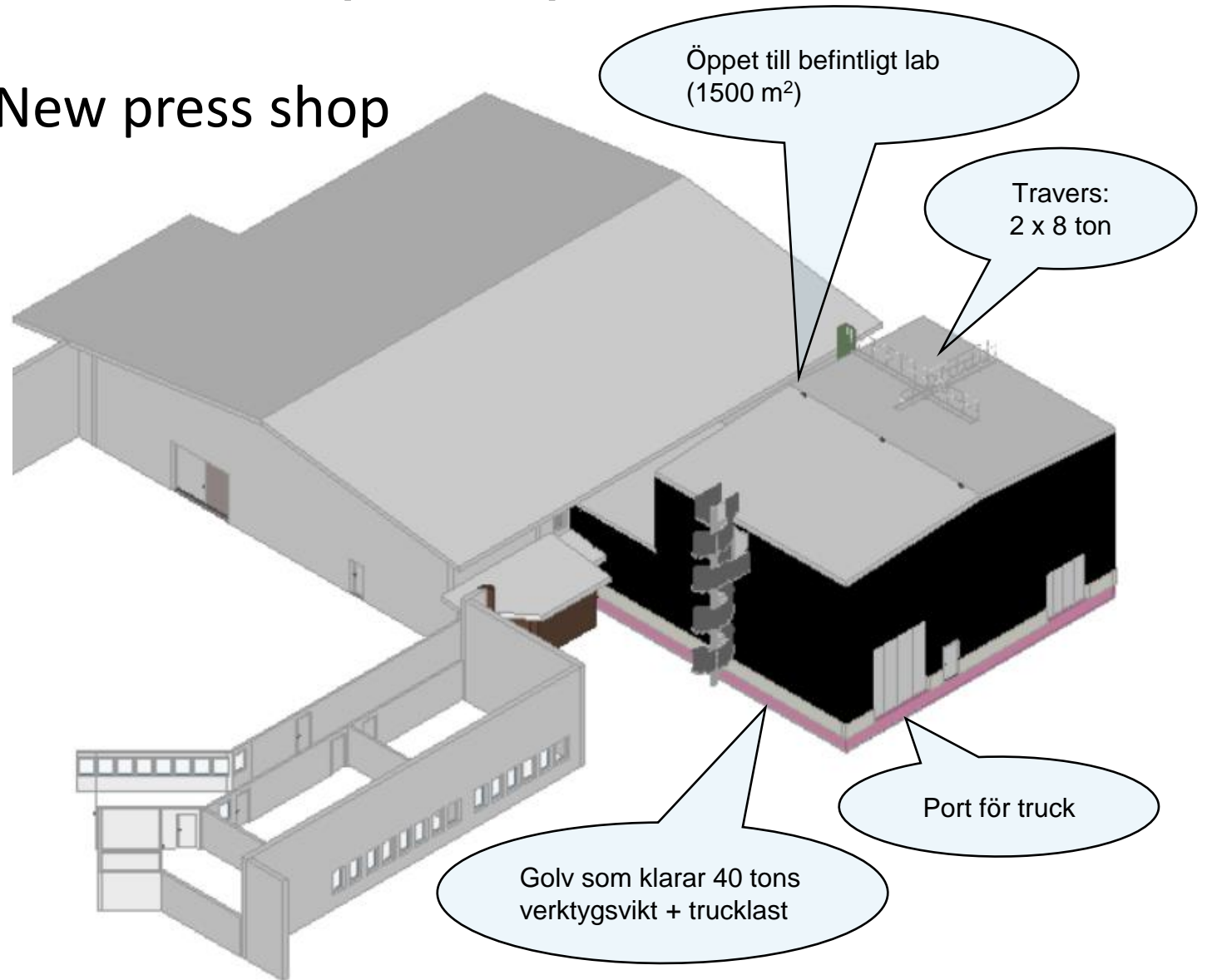


Piteå test bed for sustainable composite production

- 19,10m x 13,6 m 260 m²
- 19,1m x 6,0m 115 m²
- Total 375 m²

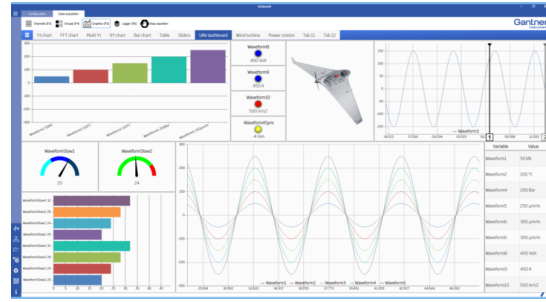


New press shop



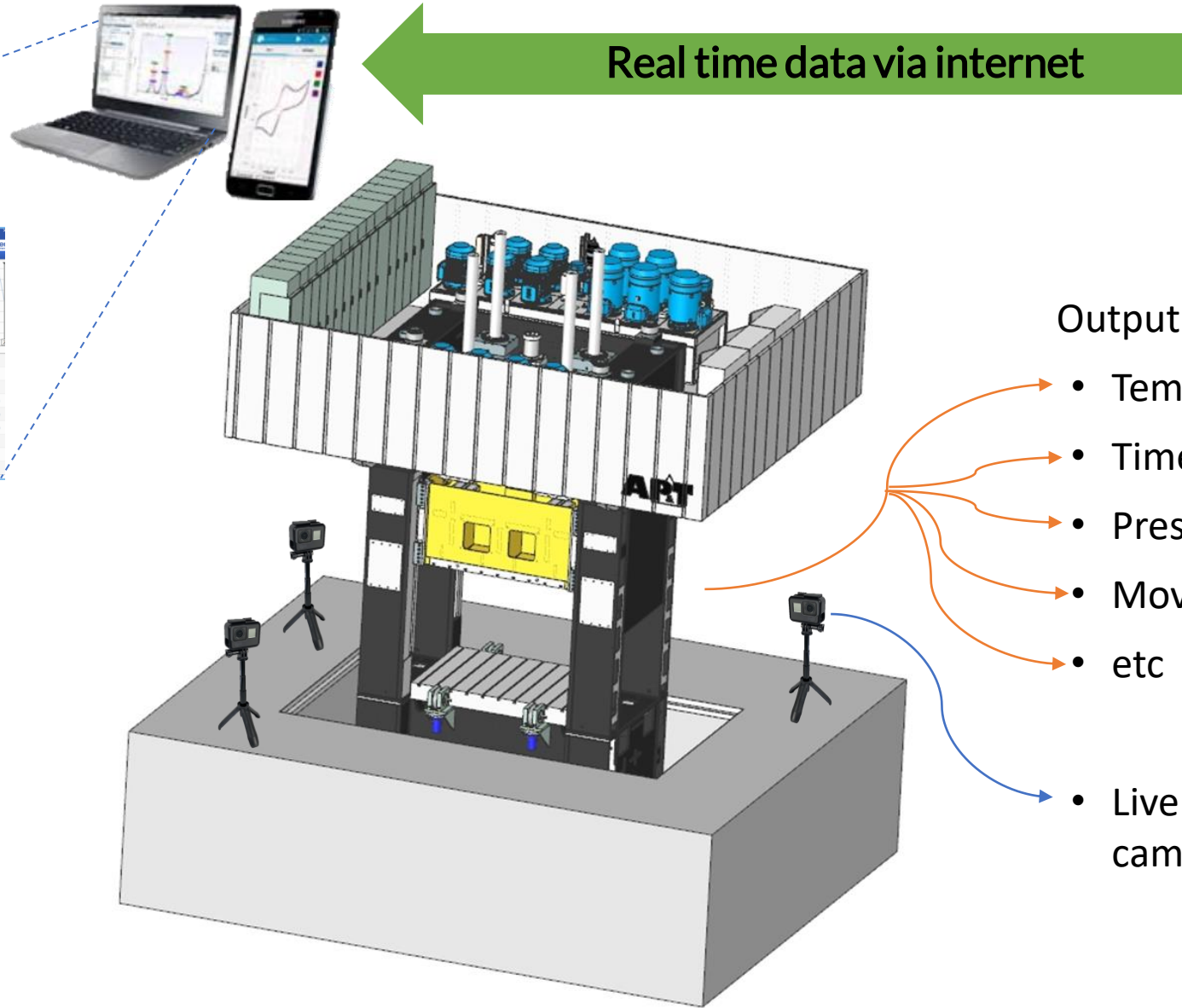
Test bed used at a distance

Process is followed at a distance
data is shared
in real time



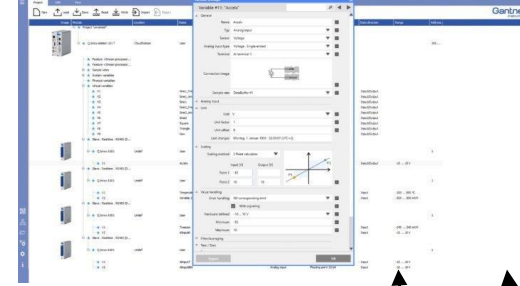
Press in data

- Process parameters
 - Temp
 - Time
 - Pressure
 - Closing speed
 - etc



Real time data via internet

Data preparation



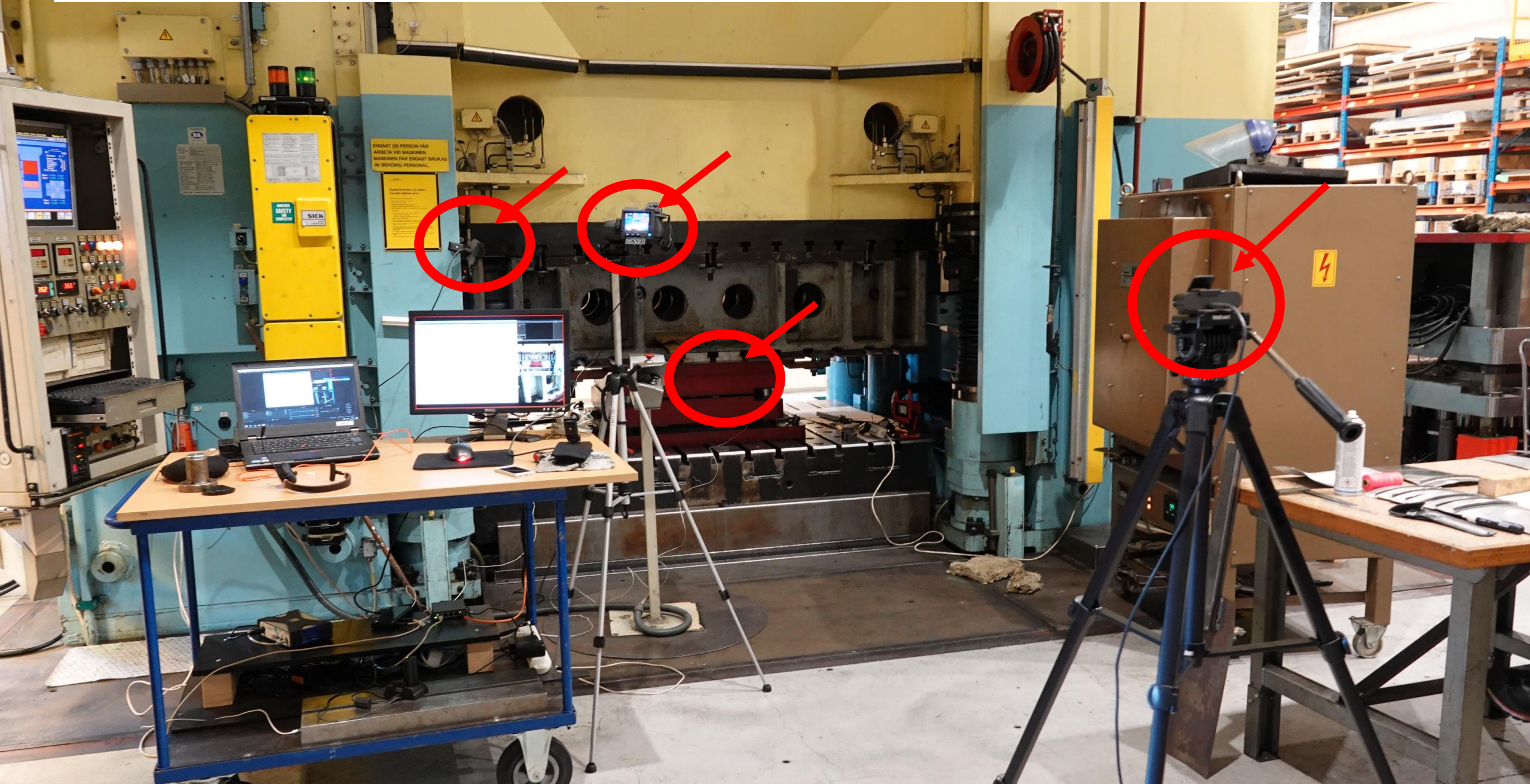
Output from press to DAQ

(Data collection)

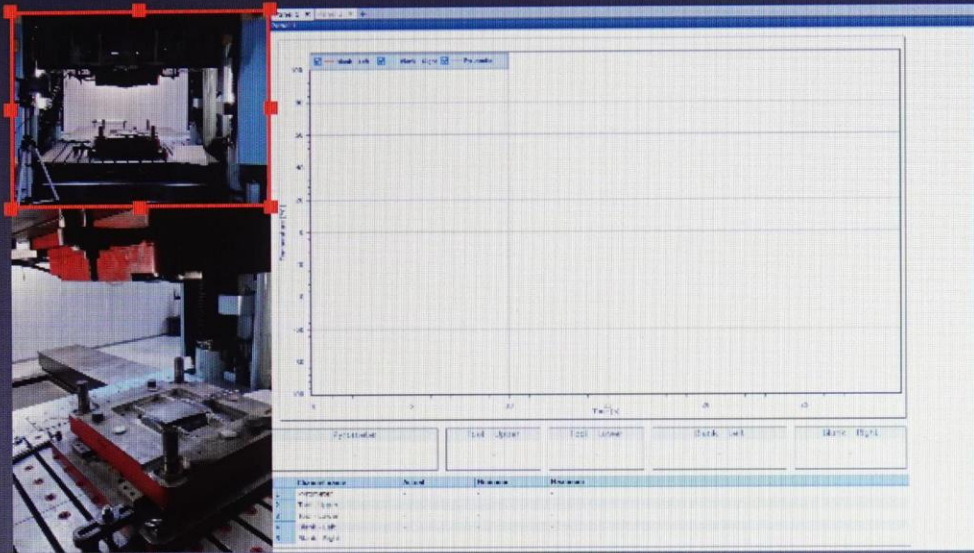
- Temp
- Time
- Pressure
- Movement
- etc
- Live streaming of camera images



Stamping center Olofström - testing at a distance

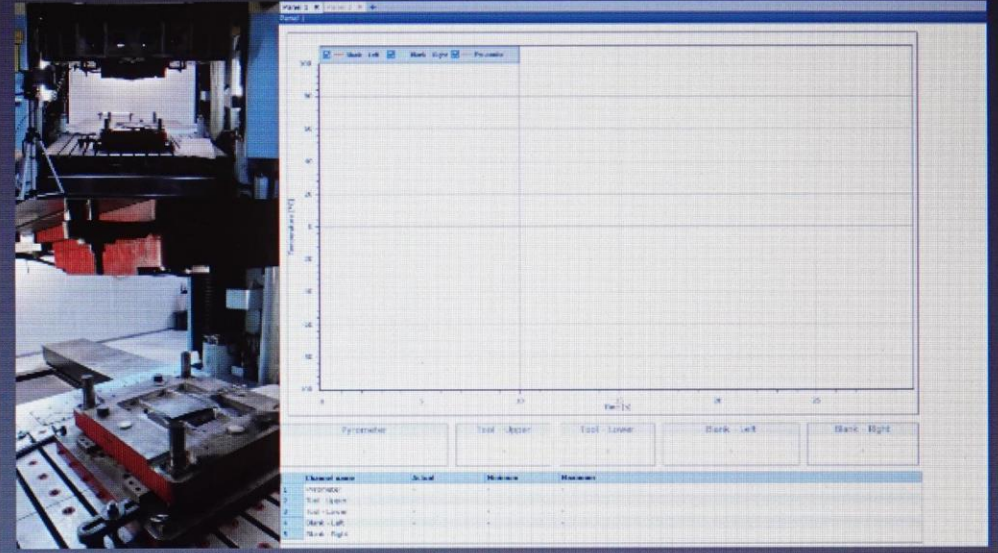


Förhandsvisning



Övergång ⚙️
Snabba övergångar +
Klipp ▾
Tona (300ms) ▾
[Progress bar]

Program



Scener

- Test_view
- Scen_overview

Källor

- Overview
- EVIDAS
- Pressen

Ljudmixer

Mic/Aux 0.0 dB

Overview 0.0 dB

Pressen 0.0 dB

OBS Studio

Tona + - ⚙️

Varaktighet 300 ms

Börja strömma

Börja spela in

Studioläge

Inställningar

Avsluta

Case 3 New function for data analysis and automatically tailored advice with AI Prindit AB

info@prindit.com



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Case 4 Mutually secured user interfaces AP&T



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Project objectives

Customized solutions within cybersecurity and Privacy enhancing technologies (PET) in four industrial cases, which in different ways deal with security and how to collaborate in real time.

The solutions will be used as basis for generalization in a form of an easy-to-use reference guide (“lathund”) for broad use in remote collaboration between testbeds and their customers.

Results so far:

- Two workshops on Cyber security and AI
- Test bed user survey on cyber security

Effect logic SafeTest

