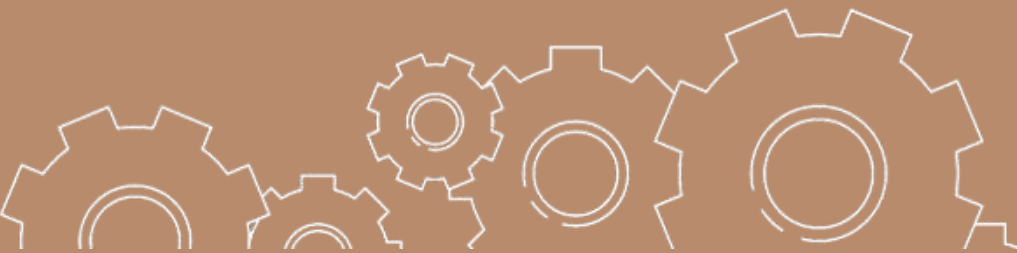


**Termomeccanica Pompe**

Termomeccanica Group

**CUSTOMER INSPECTIONS & TESTS  
REMOTE WITNESS TESTING SYSTEM**

Our on-line real time digital solution  
*designed to make your Project Management  
easier and more efficient*



*Your trust is our success*





TMP's Remote Witness Testing System – why choose it

## TMP's Remote Witness Testing System – Making Project Management easier & more efficient

Within the frame of the **Industry 4.0 revolution**, Termomeccanica Pompe has recently developed a new remote system allowing customers to attend the inspections & tests related their contract pumping units “virtually” instead of “in person”.

### **Witness testing: An essential but highly time- & resource-consuming procedure**

Witness testing is a key procedure established by customers to ensure that the equipment purchased from a vendor is in full compliance with contractual specifications.

**In Termomeccanica Pompe's case, witness testing contractually required by customers** is not only related to the final hydraulic performance test of the pumping units (which allows to check quality and efficiency under real operating conditions) but also includes **inspections and tests during the manufacturing process**, such as

- **Non Destructive Tests (NDTs)**
- **Hydrostatic tests**
- **balancing tests**
- **Test center inspections**
- **Final inspections**

Witness testing however is highly time- & resource-consuming and therefore entails longer lead-times and higher costs for customers, in total contrast with the current market trends.

### **Key Benefits of the remote alternative**

Today, Termomeccanica Pompe's international customers & end users, who are continuously on the lookout for smarter, faster and more economical solutions, can simply not ignore the innovative remote witness test alternative the company is offering them as it rhymes with a **simpler, more efficient & environmental-friendly management of projects without compromising quality and reliability.**





TMP's Remote Witness Testing System - How it works

## TMP's Remote Witness Testing System procedure

First and foremost, it is important to highlight that the remote witness testing system Termomeccanica Pompe has implemented is **an integral part of its Quality Management System** and is therefore **in full compliance with the company's testing standards**, guaranteeing customers the same level of quality & reliability as the in-person alternative.

TMP and its customer/ end user start by defining all practical details of the digital testing such as the date and the execution methodology. Termomeccanica then organizes **a secure dedicated "virtual room"** for partners to participate in the performance test in remote mode, allowing them to check the conformity of the arrangements to the test procedure and to interact "live" with the Quality Manager and to view all the activities in progress.

More specifically, TMP has installed **a fixed and mobile web cameras system** that enables customers to have a virtual access to the test center to check :

- the contractual performance values (pressures, temperatures, vibrations, ...)
- the serial numbers and certificates of the measuring instruments used;
- and all other information agreed upon.

At the end of the remote testing session, Termomeccanica Pompe guarantees the evidence of the results through **the issue of certificates** (reporting the date and signature of the Quality Manager) which are transmitted to the customer via e-mail for counter-signing and filing.

**Confidentiality** is a key concern to TMP, whose remote performance testing system guarantees maximum security through password-protected connections carried out with adequate software.





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