

Stationary Brake Test Units



TMM Telematic Modul



Handheld

Radio remote control



About us....

- ▶ 2001 - Foundation as IT-Trading company
- ▶ 2002 - Formation to Danisch Kommunikationstechnik GmbH

Markets

- Public transport and traffic
- Rolling stock
- Software and Hardware Development
- Telemetries / Data transmission

Main Tasks

- Project planning and concept development.
- Software- and hardware development for commercial applications.

From the beginning, we are system and solution partner of the Deutsche Bahn AG.

With our R&D we have created many tailor-made developments and set up concepts for our clients and we proudly announce that, we perform efficiently fast leading to economical development to series production.



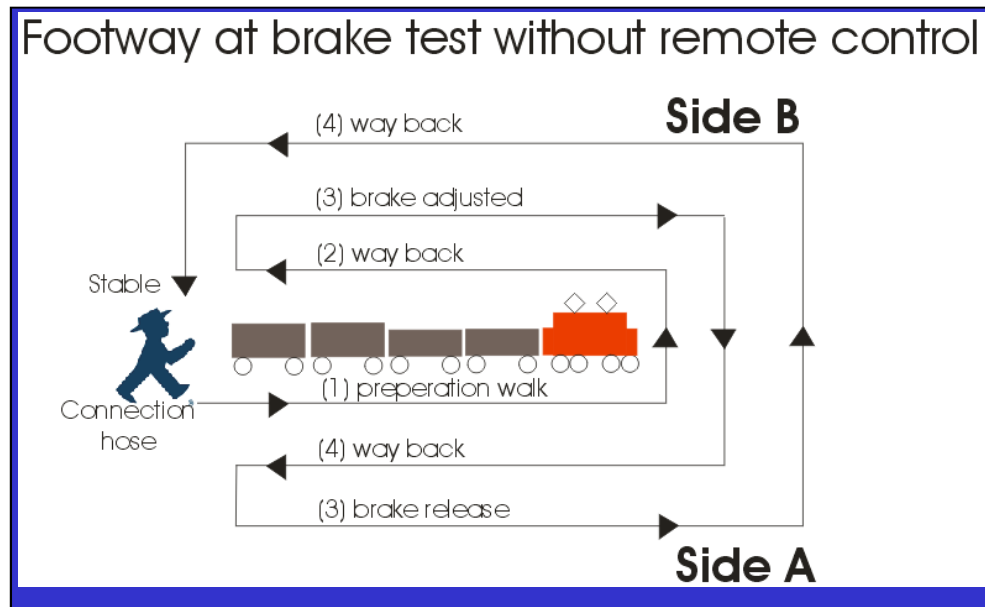
Benefits of remote control....

Only one person for testing, instead two.

Less time needed, because less ways to walk.

Rails faster available for the next train.

In the course of more and more increasing competitions within the rail operator it is also of very great benefit to speed up the commissioning and putting into operation of new trains.



The use of remote control for brake units, **saves time, money and resources**, and assure that the brake tests are carried out regular and more reliably.



Quality of work....

Always use
the **same**
process

All actions are
documented

Makes **sure**
that the tests
is **done**.

Fulfill your
responsibility

Every employee always use the same **process** for brake testing.
All actions are **documented**.

This gets sure that the brake test is **responsible** really **done**.

It is well known, that the brake
tests were carried out occasionally
not regular.



But in the case of an accident,
it is hard to prove for the
employee/supervisor that he is
not responsible.

With a remote control system, the employee/supervisor is also
always in a position, to prove the regular execution of brake test,
therefore he fulfil completely his **responsibility**.



Components....

Handheld or Smartphone (input device)

for input commands and displaying the results.



IT-Server

for managing the connection.
Saving and logging the results.
Administrate the system.

(managed by Danisch company as Hosting-Service)



TMM-Module

for communicate with the brake test unit.

(per brake unit one TMM-Module for 4 hose holders)



System description....

All communications are IP-based, with a special fast http-protocol.

Less than 50MB data transmission at month and device.

Serverhosting no security problems with own IT-infrastructure

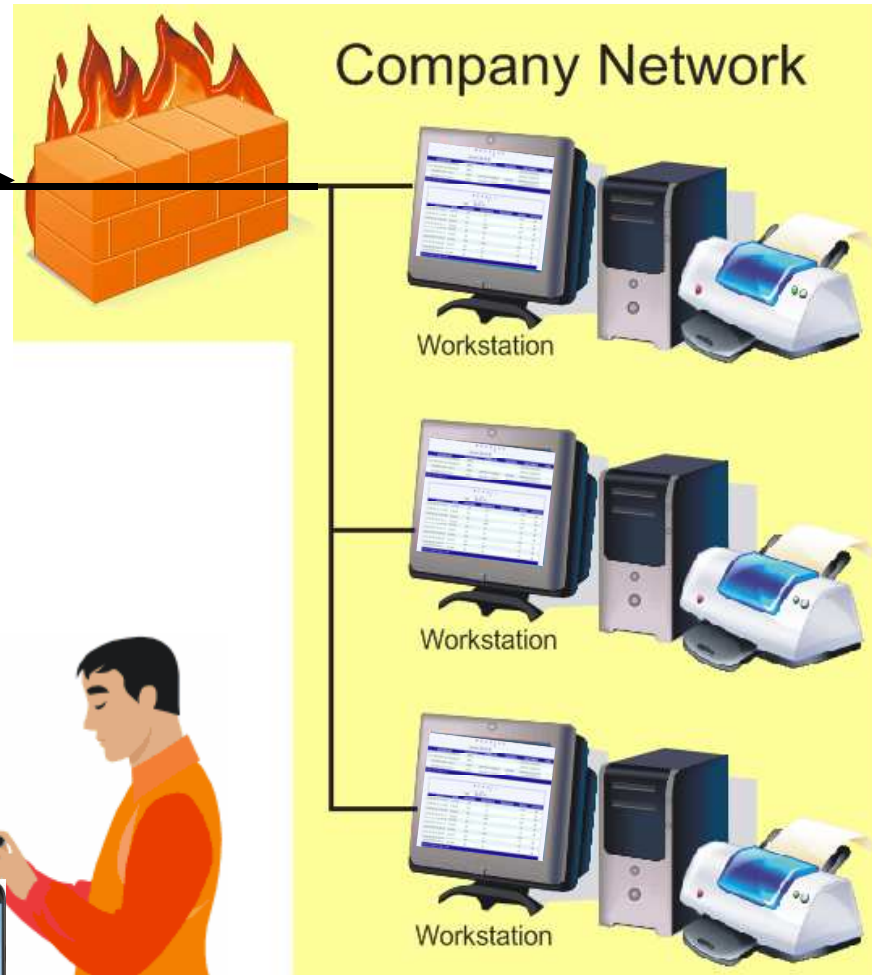
Workstations displays the state of the brake test units.



IT-Server



Internet



already exists

Mobile phone network



How does it works....

Start
Internet
browser

Login

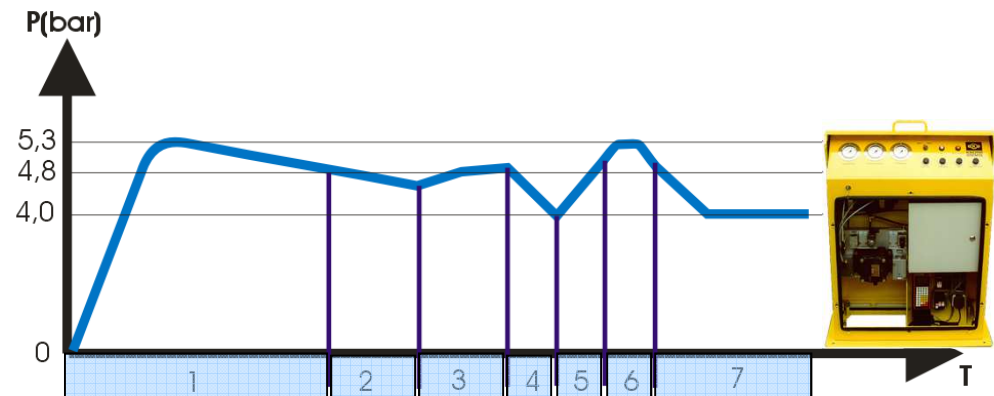
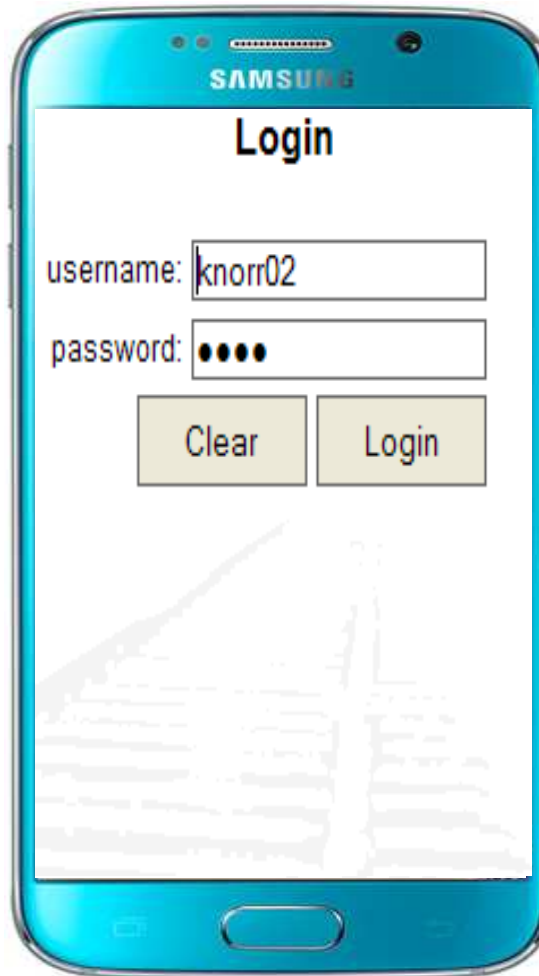
Input
track no

First
test
filling&
tightness

Select
others
tests

Confirm
test result

Logout



- 1. filling**
- 2. tightness**
- 3. filling**
- 4. breaking**
- 5. releasing**
- 6. adjusting**
- 7. breaking**

Online status....

Status
TMM

Status
Results

Display the
results of
each break
test.

The screenshot displays the online status interface for sys.zugbremsprobe.de. It features a top navigation bar with menu items: Datei, Bearbeiten, Ansicht, Chronik, Lesezeichen, Extras, and Hilfe. The main content area is divided into several sections:

- Left Sidebar:** Contains a search bar, a list of test units (Paris Sim 2, Paris Sim 1, Berlin 103, Paris Sim 3, Berlin 101, FEW Test), and a table of test results with columns for DATE and a status indicator.
- Top Section:** Displays the 'Break result ticket' for a specific test unit (Paris Sim 2). It includes fields for date, place, track, train, ID, and tester, along with a 'print' button.
- Right Section:** Shows a table of test results with columns for POSITION, TRAIN, and a status indicator.
- Bottom Section:** Displays a list of actions performed on the test unit, including command filling, tightness testing, and applying/releasing the brake.

Red boxes highlight specific elements: the 'print' button, the 'Paris Sim 2' entry in the test unit list, the 'DATE' column header, and the 'ok' result in the bottom table.

Services....

As we see ourselves as a system supplier, we would like to make the customer a tailor made system for him.

Depending on the demand of the customer, the system will be expanded and build.

For this, we also carry an interview with the customer to define the functionality of the system.



Installed radio remote control systems

more than 360pcs. TMM devices installed at Deutsche Bahn AG all over Germany.



Complete installed systems:

BASF (Germany)
Duisport AG (Germany)
VoestAlpine (Austria)
CFL (Luxembourg)
Gysev (Ungarn)
Jernhusen (Sweden)
Infra Leuna (Germany)



Contact....



Thank you for your attention

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