

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.



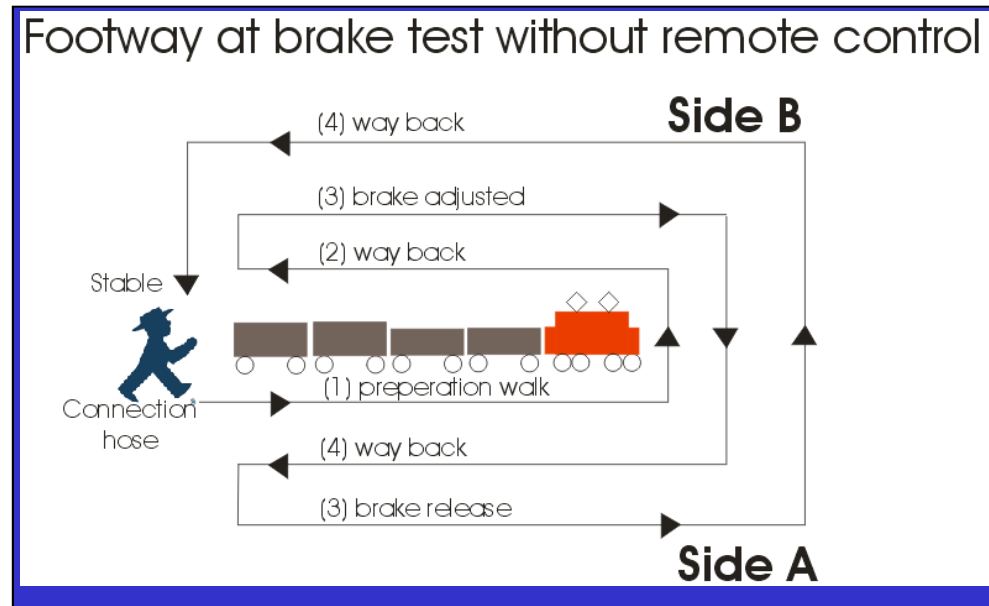
Benefits of remote control....

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)



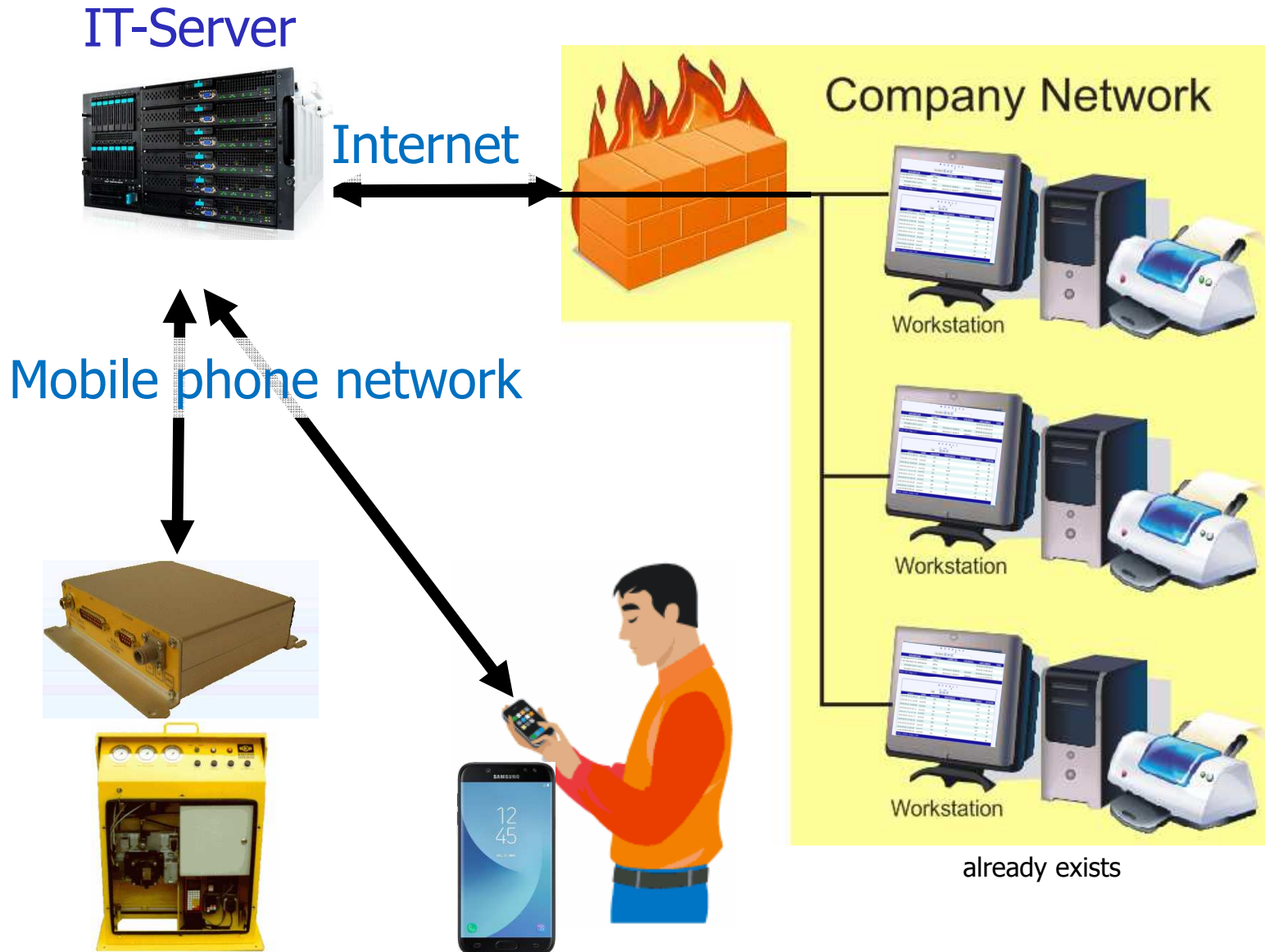
System description....

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.



How does it works....

Start
Internet
browser

Login

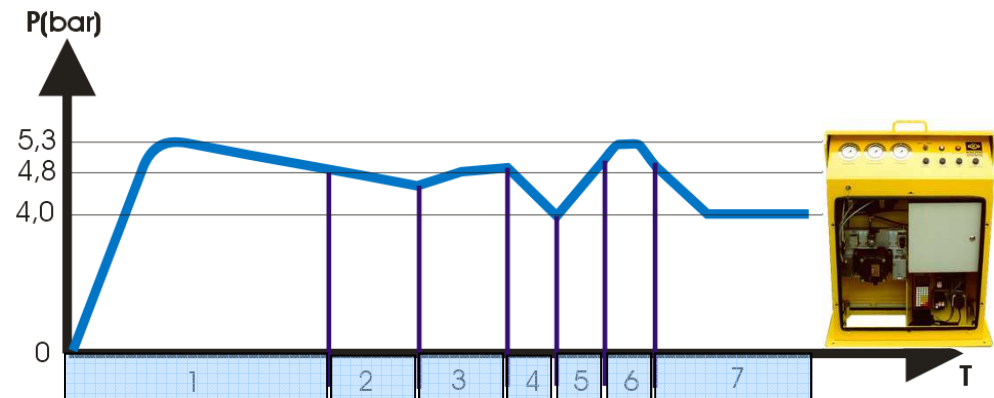
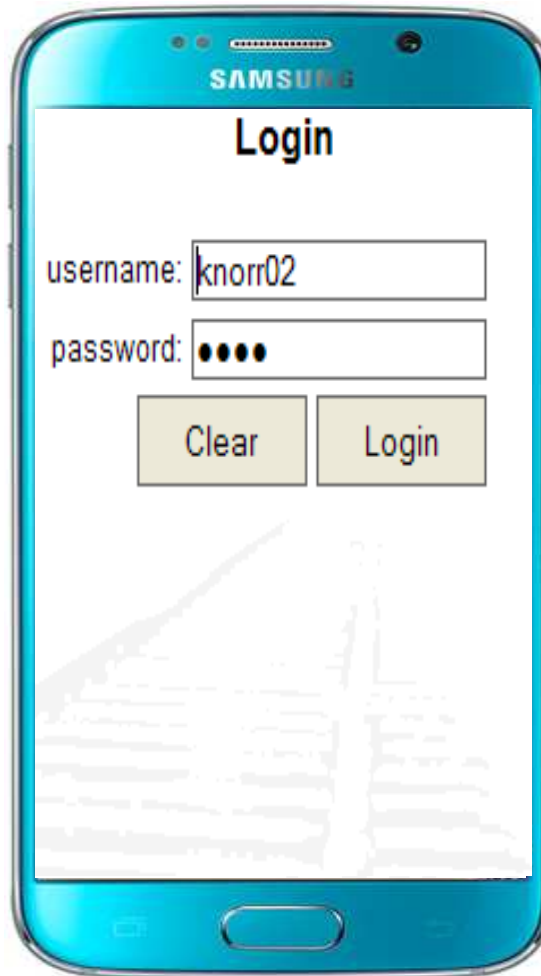
Input
track no

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.

Admin View sys.zugbremsprobe.de/online.php

sys.zugbremsprobe.de/adm... sys.zugbremsprobe.de/adm_print_result.php?refid=44737

back print

Break result ticket

date 04.10.2017
Place Paris West
track 200
train 4711
ID DAN949
tester 1234

start 12:02
end 12:07
duration 00:04:49

tight loss -
break test ok
result ok

show actions

actions

DATE	DESCRIPTION
2017-10-04 12:02:41	Paris Sim 2
2017-10-04 11:20:08	Paris Sim 1
2017-10-04 11:18:03	Berlin 103
2017-04-28 08:34:39	Paris Sim 3
2017-04-09 17:13:50	Berlin 101
2017-04-07 13:29:13	FEW Test
2017-03-19 17:31:16	
2017-03-18 17:26:57	
2017-03-18 15:16:24	
2017-03-18 15:07:23	

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LOGOUT

POSITION	TRAIN
203	
200	4711
104	
101	
300	

ALUE	RESULT	OPTIONS
	ok	≡
	ok	≡
	ok	≡
	ok	≡
	ok	≡
	ok	≡
	none	≡
	none	≡
	ok	≡

Drucker: Brother DCP-9022CDW Printer
Name: Brother DCP-9022CDW Printer
Status: Bereit
Typ: Brother DCP-9022CDW Printer
Standort: IP_192.168.50.114
Kommentar: DCP-9022CDW LAN

Druckbereich: Alles
Seiten von: 1 bis: 1
Markierung

Exemplare: Anzahl Exemplare: 1
Sortieren

OK Abbrechen

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)





Thank you for your attention

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