The selected references on measurements comprise bearing capacity measurements on airfield road pavements.

Road measurements:
Road measurements comprise bearing capacity measurements with Falling Weight Deflectometer (FWD 7-250 kN) and determination of service life and necessary reinforcement.

Other services are visual condition surveys, special tasks such as designs for widening of paved shoulders.

For further details, please contact us:
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BRAZIL:

Client: Concorgio Kocks / Prosul
Project description: Measuring on various roads in Santa Catarina, Brasil. A total of 135 km road survey.

Client: Concorgio Kocks / Prosul
Project description: Measuring on various roads in Santa Catarina, Brasil. A total of 135 km road survey.

Non-destructive testing of pavement to determine the bearing capacity and the estimated service life, because the roads were used exceptionally much in connection with the removal of the oil waste.

DENMARK:

Client: Copenhagen Municipality

Non-destructive testing of concrete slaps to determine bearing capacity and estimated service life.

Client: Danish Road Directorate
Project description: Measuring on Holbæk Motorway.

Non-destructive testing of pavement to determine the bearing capacity and the estimated service life.

Client: DTDS Horsens
Project description: Non-destructive testing of the bearing capacity of parking areas in order to determine estimated service life.

Client: Copenhagen CBH Horsens
Project description: Non-destructive testing of the bearing capacity of container area in order to determine estimated service life.

Client: Toulon Ralion
Project description: Non-destructive testing of the bearing capacity of container area in order to determine estimated service life.
DENMARK cont.

Client: Ralion, Høje Tâstrup
Project description: Non-destructive testing of bearing capacity in order to determine estimated service life.

Client: LIDL Denmark A/S
Project description: Non-destructive testing of bearing capacity in order to determine estimated service life.

Client: Skanska Astalt
Project description: Non-destructive testing of bearing capacity in order to determine estimated service life of pavements of Aalborg Harbour.

Client: Danish municipalities
Project description: For more than 115 Danish municipalities in connection with the implementation of RoSy Pavement Management System and calculations for maintenance strategies for the Danish municipal road network.

GERMANY:

Client: Aalen
Project description: Non-destructive testing of bearing capacity in order to determine estimated service life in connection with the implementation of RoSy Pavement Management System and calculations for maintenance strategies

Client: BASF, Ludwigshafen
Project description: Non-destructive testing of bearing capacity in order to determine estimated service life.

Client: Bad Homburg
Project description: Non-destructive testing of bearing capacity in order to determine estimated service life in connection with the implementation of RoSy Pavement Management System and calculations for maintenance strategies
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<td>Strassenbauamt Finsterwalde</td>
<td>Non-destructive testing of bearing capacity in order to determine estimated service life of main highways.</td>
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<td>Kaiserslautern</td>
<td>Non-destructive testing of bearing capacity in order to determine estimated service life of main highways.</td>
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</tbody>
</table>
Client: Uni Karslruhe, Kehl
Project description: Non-destructive testing of bearing capacity in order to determine estimated service life of main highways and implementation of FWD equipment. Furthermore training in use, maintenance and operation.

Client: Autobahn Neustadt
Project description: Non-destructive testing of bearing capacity in order to determine estimated service life of motorway.

Client: Land Strassenverwaltung Saarland
Project description: Non-destructive testing of bearing capacity in order to determine estimated service life in connection with the implementation of RoSy Pavement Management System and calculations for maintenance strategies

Client: Land Strassenverwaltung Rheinland-Pfalz
Project description: Non-destructive testing of bearing capacity in order to determine estimated service life in connection with the implementation of RoSy Pavement Management System and calculations for maintenance strategies

GREECE

Client: Ferrovial Agroman s.a.
Project description: Overlay design for the Motorway section at Arta, 150 km motorway, 1800 measuring points,

Non-destructive testing of pavement to determine the bearing capacity and the estimated service life.

The FWD measurements were carried out on heavily trafficked motorways. Due to the heavy traffic, mobile road closing was applied consisting of a truck, van and flagmen.

Cores were taken out by a Greek company at some of the measuring points in order to determine the binder course thickness in the pavement structure.

All data were analysed using RoSy DESIGN (back-calculation program) and in accordance with the AASTHO method and presented in a report.
FRANCE, NORMANDY

Client: Amoco Oil, USA
Project description: Measuring on various roads in Normandy and in France. A total of 100 km road survey.

Non-destructive testing of pavement to determine the bearing capacity and the estimated service life, because the roads were used exceptionally much in connection with the removal of the oil waste.

The French government has complained of the strength decrease of the roads. This was verified by means of the Falling Weight Deflectometer.

KENYA

Client: Transportation Road Research Laboratory (TRRL)
Project description: Test measurements for comparison of different types of measuring equipment in Kenya.

Non-destructive testing in Kenya with Falling Weight Deflectometer, Benkelman Beam, and Dynafl ect equipment in order to compare and, if possible, to find a correlation between the different types of equipment. The project was financed by the TRRL Overseas Department.

LATVIA, RIGA

Client: Celuprojects, Riga
Project description: Various roads, Riga. A total of 7 km road survey carried out in connection with airport survey.

Non-destructive testing of the pavement to determine bearing capacity and estimated service life to include overlay recommendations.

Project: Riga Airport
Client: Kocks Consult GmbH

Client: Celuprojects, Riga
Project description: Various roads, Riga. A total of 7 km road survey carried out in connection with airport survey
### REFERENCES

#### ROADS MEASUREMENTS

**POLAND**

Client: Kocks Consult, Germany  
Project description: A4 highway Bielany - Sosnica  

- Non-destructive testing of the pavement to determine bearing capacity and estimated service life to include overlay recommendations.

**QUATAR**

Client: John Burrow & Partners, England  
Project description: Various roads, Qatar. A total of 76 km road survey.  

- Non-destructive testing of the pavement to determine bearing capacity and estimated service life to include overlay recommendations. The survey was financed by the government of Qatar.

**SWEDEN**

Client: Malmö Municipality  
Project description: Non-destructive testing of bearing capacity in order to determine estimated service life in connection with the implementation of RoSy Pavement Management System and calculations for maintenance strategies.

**SOUTH AFRICA**

Client: South Africa National Road Agency  

- Non-destructive testing of the pavement to determine bearing capacity and estimated service life to include overlay recommendations.

**TANZANIA**

Client: COWI CONSULT A/S, Denmark  
Project description: Da es Salaam - Mlandizi Road Project. A total of 200 km road survey.
UGANDA

Client: Renardet SA, Italy
Project description: Kampala-Jinja Road, Uganda. A total of 76 km road survey.

Non-destructive testing of the pavement to determine bearing capacity and estimated service life to include overlay recommendations. The road section is part of the Trans-African Highway, and the survey was financed by the World Bank.

Client: Schoeder Planung, Germany
Project Description: Masaka-Kabali Road, Uganda. A total of 200 km road survey.

Non-destructive testing of the pavement to determine bearing capacity and estimated service life to include overlay recommendations. The road section is part of the Trans-African Highway, and the survey was financed by the World Bank.

Client: Carl Bro International, Denmark
Project description: Mbarara-Katunguru Road, Uganda. A total of 120 km road survey.

Non-destructive testing of the pavement to determine bearing capacity and estimated service life to include overlay recommendations. The road section is part of the Trans-African Highway, and the survey was financed by the World Bank.

YEMEN ARAB REPUBLIC

Client: Rendel Palmer & Tritton, England
Project description: Sana’a-Hodeidah Road, Yemen Arab Republic. A total of 230 km road survey.

Visual inspection and non-destructive testing of the pavement to determine bearing capacity and estimated service life to include overlay recommendations. The road is the highway from the coast to the capital. The survey was financed by the World Bank.