

SMART References per March 2009

SMART Nation (National Infrastructure)

SMART Nation – Danish Infrastructure

Client: Association of Danish Consulting Engineers (FRI)

Period: 2008

Place: Denmark

"State of the Nation 2008"

Maintenance Management of danish infrastructure, divided into the following sectors:

Water Supply, Sewage, Airports, Ports, Railways, Roads og Bridges, Waste, Energy.

Determination of hierarchy and elements

Overall evaluation of the condition incl. economic estimates for rehabilitation works.



SMART Facilities (Managers of infrastructure facilities)

DONG Energy, Power Plant Asnæsværket, Denmark

Client: DONG Energy, Power Plant Asnæsværket

Period: 2002 -

Place: Power Plant Asnæsværket

Maintenance Management of the plant's marine structures, roads, bridges, buildings, tanks etc.

Determination of hierarchy and elements.

Inspections, condition registrations, maintenance, repair works, prioritisation and budgetting.



Watercourse Association in Ørestad township, Denmark

Client: Watercourse Association in Ørestad township

Period: 2004 –

Place: Ørestad

Maintenance Management of the Association's 10 km canals and supply system.

Registration of inventory data and documents/drawings.

Inspections, condition registrations, maintenance, repair works, prioritisation and budgetting.



Odense Waste Disposal Company, Denmark

Client: Odense Waste Disposal Company

Period: 2007 –

Place: Odense

Maintenance Management of the Company's structures and facilities.

Registration of inventory data and documents/drawings.



SMART Ports (Ports)

Port of Copenhagen, Denmark

Client: Port of Copenhagen

Period: 2001 –

Place: Port of Copenhagen

Maintenance Management of the port's approx. 40 km quay structures.

Registration of inventory data and documents/drawings.

Inspections, condition registrations, maintenance, repair works, prioritisation and budgetting.

SMART is used for reporting of the Wharf Commission's yearly wharf inspections.



Port of Aarhus, Denmark

Client: Port of Aarhus

Period: 2002 –

Place: Port of Aarhus

Maintenance Management of the port's marine structures, roads and buildings.

Registration of inventory data and documents/drawings.

Inspections, condition registrations, maintenance, repair works, prioritisation and budgetting.



Port of Aalborg, Denmark

Client: Port of Aalborg

Period: 2000 –

Place: Port of Aalborg

Maintenance Management of the port's facilities.

Registration of inventory data and documents/drawings.

Inspections, condition registrations, maintenance, repair works, prioritisation and budgetting.



Port of Esbjerg, Denmark

Client: Port of Esbjerg

Period: 2001 –

Place: Port of Esbjerg

Maintenance Management of the ports facilities.

Registration of inventory data and documents/drawings.

Inspections, condition registrations, maintenance, repair works, prioritisation and budgetting.



Port of Koege, Denmark

Client: Port of Koege

Period: 2003 –

Place: Port of Koege

Maintenance Management of the ports marine structures, roads, buildings and installations.

Registration of inventory data and documents/drawings.

Inspections, condition registrations, maintenance, repair works, prioritisation and budgetting.



Port of Elsinore, Denmark

Client: Port of Elsinore

Period: 2002 –

Place: Port of Elsinore

Maintenance Management of the port's facilities.



Danish Coastal Authority (KDI), Denmark

Client: Danish Coastal Authority

Period: 2002 – 2007

Place: Danish Coastal Authority

Maintenance Management of the authority's marine structures, roads, buildings and installations.

Registration of inventory data and documents/drawings.

Inspections, condition registrations, maintenance, repair works, prioritisation and budgetting.



Rønne Havn, Denmark

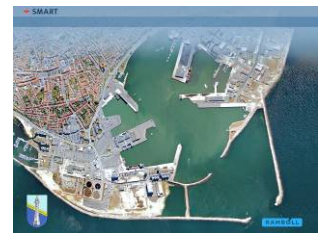
Client: Port of Rønne

Period: 2008 –

Place: Port of Rønne

Maintenance Management of the port's marine structures, roads, buildings and installations.

Registration of inventory data and documents/drawings.



Port of Malmö, Sweden

Client: Port of Malmö, Sweden

Period: 2003 –

Place: Port of Malmö

Maintenance Management of the port's marine structures, roads, buildings and installations.

Registration of inventory data and documents/drawings.



Port of Hamina, Finland

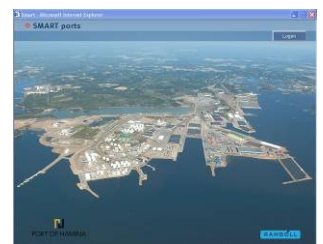
Client: Port of Hamina

Period: 2008 –

Place: Port of Hamina

Maintenance Management of the port's marine structures, roads, buildings and installations.

Registration of inventory data and documents/drawings.



Port of Naantali, Finland

Client: Port of Naantali

Period: 2008 –

Place: Port of Naantali

Maintenance Management of the port's marine structures, roads, buildings and installations.

Registration of inventory data and documents/drawings.



SMART Bridge (Bridges)

Municipality of Gentofte, Denmark

Client: Municipality of Gentofte

Period: 2008 -

Place: Gentofte, Denmark

Maintenance Management of Gentofte Municipality's bridges and coast protection structures.
Registration of inventory data and documents/drawings.
Inspections, condition registrations, maintenance, repair works, prioritisation and budgetting.

Pakistan, National Highway Administration

Client: Pakistan, Federal Highway Administration

Period: 2005 -

Place: Pakistan

Maintenance Management of approx. 2.000 bridges on Pakistan's federal roads, with possible later extension to comprise 20.000 structures in total.



Faroe Islands, Landsingeniøren

Client: Faroe Islands, Landsingeniøren

Period: 2002 -

Place: Faroe Islands

Maintenance Management of bridges, tunnels and other structures on the main road network.
Registration of inventory data, Principal Inspections of bridges, and job management.
Maintenance management of port structures.



Zambia Railways Limited

Client: Zambia Railways Limited

Period: 2005 -

Place: Zambia

Registration and reporting of inspections and load carrying capacity assessments for Victoria Falls Bridge. Implementation of long term maintenance plan for the bridge.



SMART Roads (Roads)

County of Ribe, Denmark

Client: County of Ribe

Period: 2005 -

Place: Ribe

Administration of partnering contracts (PPP) regarding maintenance management of roads. The partnering contracts involve a number of contractors and the county itself. They use SMART for managing maintenance works and small research projects. Job management, document management and user management are in focus.



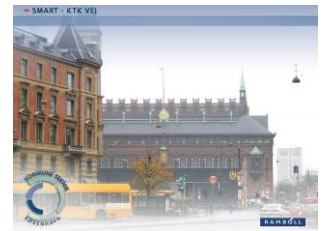
Kommune Teknik København (KTK), Denmark

Client: Kommune Teknik København (KTK)

Period: 2005 -

Place: Copenhagen

Management of maintenance contract with the Municipality of Copenhagen, including request and reporting of maintenance jobs with SMART Mobile.



Colas, Denmark

Client: Colas

Period: 2006 -

Place: Denmark

Management of long-term maintenance contracts on municipality roads, including management of sub-contractors. Registering of roads with technical data, request and reporting of maintenance jobs.



Municipality of Ishøj, Denmark

Client: Municipality of Ishøj

Period: 2008 -

Place: Ishøj

Maintenance Management of roads in the Municipality.



Municipality of Ringsted, Denmark

Client: Municipality of Ringsted

Period: 2008 -

Place: Ringsted

Maintenance Management of roads in the Municipality.



SMART Sewage (Managers of sewage systems)

Nordvand, Supply Company in Gentofte and Gladsaxe

Client: Nordvand – Supply Company in Gentofte and Gladsaxe Municipalities

Period: 2004 -

Place: Gentofte and Gladsaxe

Maintenance Management of Gentofte and Gladsaxe Municipality's canals, overflow structures, reservoirs og pumping stations.

Registration of inventory data and documents/drawings.

Inspections, condition registrations, maintenance, repair works, prioritisation and budgetting.



SMART Water (Managers of water supply facilities)

Viborg Vand A/S (Water supply in Municipality of Viborg)

Client: Viborg Vand A/S (Water supply in Municipality of Viborg)

Period: 2004 -

Place: Viborg

Maintenance Management of bored wells, waterworks, elevated storage tanks and booster stations in the municipality.

Registration of inventory data and documents/drawings.

Inspections, condition registrations, maintenance, repair works, prioritisation and budgetting.



Birkerød Vandforsyning (Water supply in Municipality of Birkerød)

Client: Birkerød Vandforsyning (Water supply in Municipality of Birkerød)

Period: 2005 -

Place: Birkerød

Maintenance Management of bored wells, waterworks, elevated storage tanks and booster stations in the municipality.

Registration of inventory data and documents/drawings.

Inspections, condition registrations, maintenance, repair works, prioritisation and budgetting.



SMART Open Water (Managers of open water bodies)

Miljøkontrollen, Københavns Kommune (Environmental Control Authority, Municipality of Copenhagen)

Client: Miljøkontrollen (Environmental Control Authority, Municipality of Copenhagen)

Period: 2005 -

Place: Copenhagen

Maintenance Management of approx. 14 km open watercourses, 10 km covered watercourses, 5 pumping stations and 10 monitoring stations, in the municipality of Copenhagen.

Inspections, condition registrations, maintenance, repair works, prioritisation and budgetting.

