

THE KNAPPE TUNNEL



LOCATION: Bergen, Norway

DESCRIPTION: 6400 m long twin bore tunnel

CUSTOMER: Mesta

DELIVERABLES: Control system, communication networks, Emergency Roadside Telephones, CCTV, AID and LED signs.

DELIVERED: 2016

TRAFSYS



TRAFSYS

THE BRYN TUNNEL

LOCATION: Oslo, Norway

DESCRIPTION: 267 m long twin bore tunnel

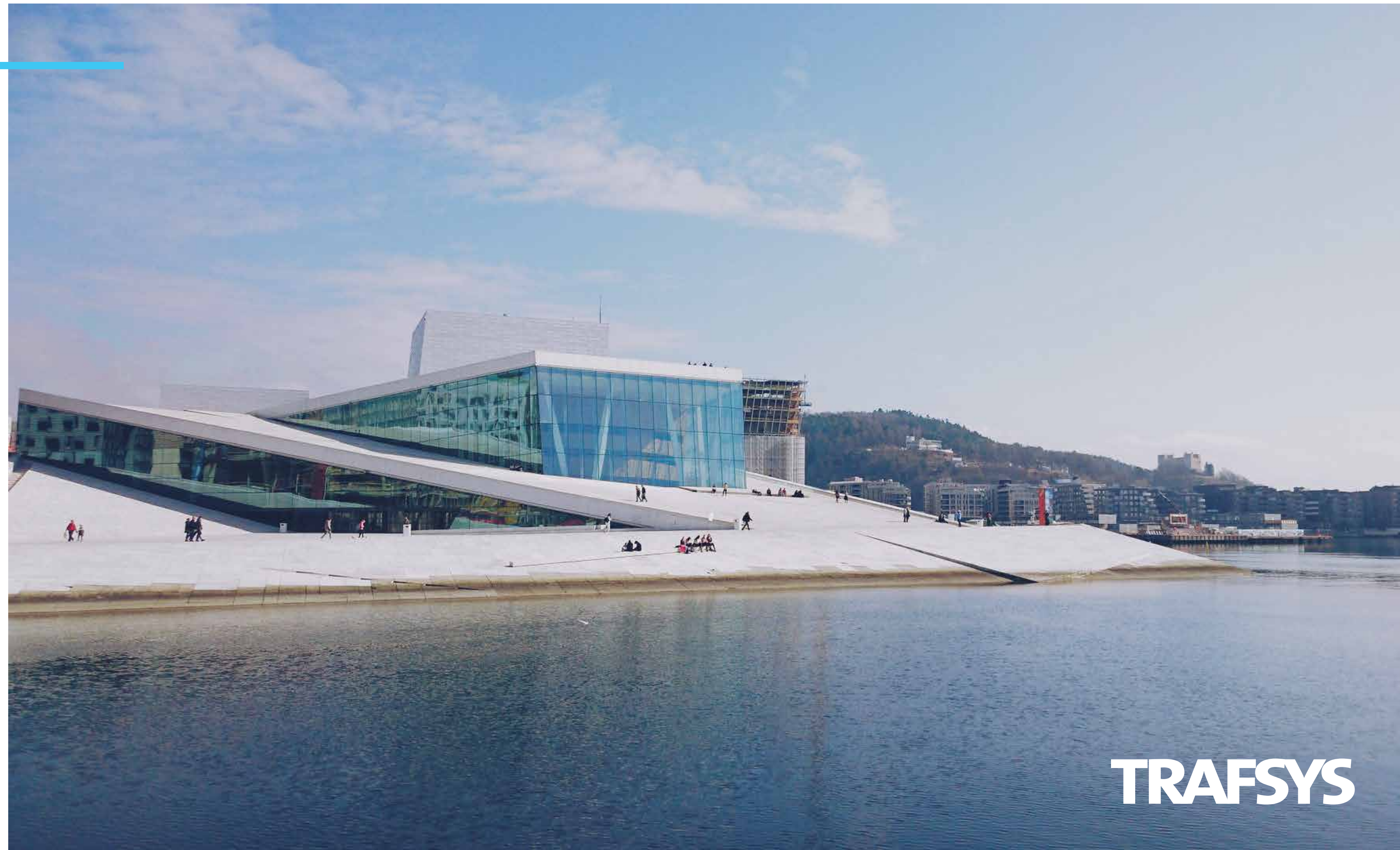
CUSTOMER: Mesta

MAIN CONTRACTOR:

Veidekke

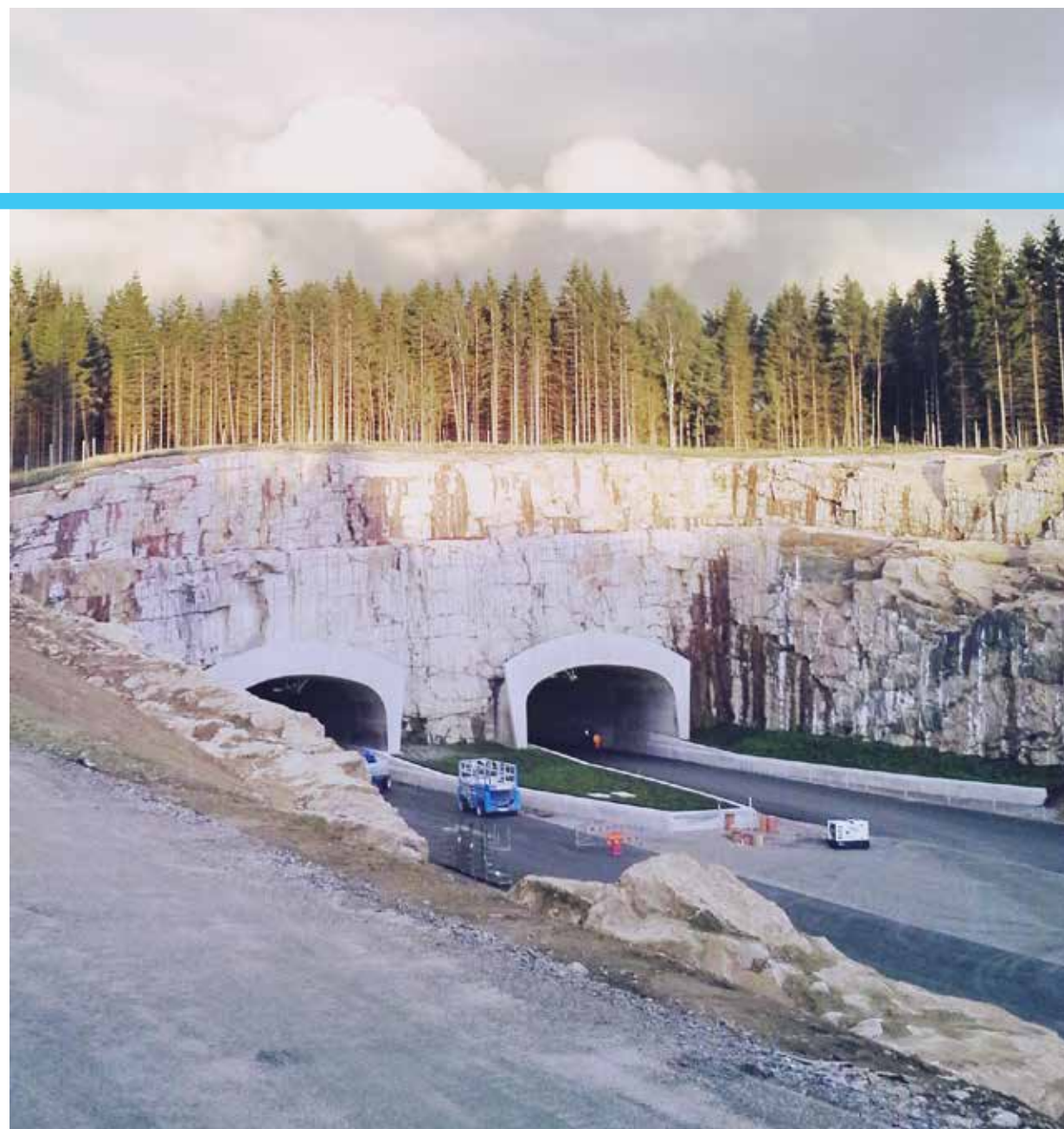
DELIVERABLES: Control systems, communication networks, Emergency Roadside Telephones, CCTV and AID

DELIVERED: 2017



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THE ULRICEHAMN TUNNEL



LOCATION: Ulricehamn, Sweden

DESCRIPTION: 400 m long twin bore tunnel

CUSTOMER: Bravida

DELIVERABLES: SCADA system, local control system (PLC), Emergency Roadside Telephones, CCTV, communication networks and AID.

THE GRANFOSS TUNNEL

LOCATION: Oslo, Norway

DESCRIPTION: 2100 m long twin bore tunnel

CUSTOMER: Otera Infra

MAIN CONTRACTOR: Skanska

DELIVERABLES: Control system, networks, Emergency Roadside Telephones, CCTV and AID

DELIVERED: 2017



THE KARMØY TUNNEL

LOCATION: Rogaland, Norway

DESCRIPTION: Undersea tunnel

LENGTH: 8900 m

LOWEST ELEVATION: -139 m

DELIVERABLES: Control system, communication networks, Emergency Roadside Telephones, ITV, AID and radio systems.

DELIVERED: 2012

THE LÆRDAL TUNNEL

The world's longest road tunnel

LOCATION: Sogn og Fjordane,
Norway

DESCRIPTION: 24.5 km long
single bore tunnel on the main
road between Bergen and Oslo.

CUSTOMER: Norwegian Public
Roads Administration

DELIVERABLES: Control
system and communication
networks

DELIVERED: 2000



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THE HARDANGER BRIDGE THE VALLAVIK AND BU TUNNELS

LOCATION: Hordaland, Norway

DESCRIPTION: The Hardanger bridge is Norway's longest suspension bridge with a length of 1380 m. The Vallavik and Bu tunnels are 7510 m and 1692 m, respectively.

CUSTOMER: KB Electrotech

DELIVERABLES: Control system, communication networks, Emergency Roadside Telephones

DELIVERED: 2012

TRAFSYS



THE BYFORD AND MASTRAFJORD TUNNELS

LOCATION: Rogaland, Norway

DESCRIPTION: Single bore undersea tunnels

LENGTH: 5875 m (Byfjord), 4424 (Mastrafjord)

LOWEST ELEVATION: -223 m (Byfjord),
-133 m (Mastrafjord)

CUSTOMER: Mesta

MAIN CONTRACTOR: Risa

DELIVERABLES: Control system,
communication networks, Emergency Roadside
Telephones, CCTV and AID based on Radar

LOCATION: Stavanger, Norway

DESCRIPTION: 14.3 km long
undersea twin bore tunnel part of the
Ryfast project.

LOWEST ELEVATION: -291 m

CUSTOMER: Roxel Infra

DELIVERABLES: Control system,
Emergency Roadside Telephones,
communication network, radio system
and CCTV.

DELIVERED: ongoing



THE RYFYLKE TUNNEL

The world's longest undersea tunnel

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THE HUNDVÅG AND EIGANES TUNNELS

LOCATION: Stavanger, Norway

DESCRIPTION: Twin bore tunnels part of the Ryfast project. The Hundvåg tunnel is a 5500 m undersea tunnel with a lowest elevation of -94 m. The Eiganes tunnel is 3700 m long.

CUSTOMER: Bravida

DELIVERABLES: Control system, Emergency Roadside Telephones, communication network, radio system, CCTV, main switch board, cabinets and AID based on thermal cameras.

DELIVERED: ongoing

EKEBERG AND SVARTDAL TUNNELS



LOCATION: Oslo, Norway

DESCRIPTION: The Ekeberg (1583 m) and Svartdal (1264 m) are twin bore tunnels on the highway network in Oslo.

CUSTOMER: Mesta

MAIN CONTRACTOR: Skanska

DELIVERABLES: Control system, communication networks, Emergency Roadside Telephones, CCTV and AID

DELIVERED: Ongoing



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Knappefjorden
Længde: 6,4 km



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