

SWITZERLAND

Suhretal/Wynenthalbahn
Rhätische Bahn

THE NETHERLANDS

Essent Cablecom
Network of City Council Ridderkerk
Schiphol Airport
Luchtverkeersleiding Schiphol
GVB Amsterdam

- West Line
- East Line
- Mobile 2000
- Amstelveenlijn

Rendo - Regionaal Nutsbedrijf
(regional utility company)
MEGA Limburg Hospitals
Rijkswaterstaat Terneuzen sluizen
(Dept. of Public Works and Water Management)
Rijkswaterstaat Krammersluizen
Rijkswaterstraat Haringvliet
Nederlands Aardolie Maatschappij
(Groningen)
Rijkswaterstaat pilot
City Network Enschede
City Network Eindhoven
RET (Rotterdamse Elektrische Tram;
Rotterdam Tramway)
RET Benelux-lijn
RET Tourniquet
Westerschelde Tunnel
Hogesnelheidslijn-Zuid verbinding
NATO
Schiphol Tunnel
Haven Rotterdam NDD Harbour
Project part 1
Randstadrail

TURKEY

Light Rail of Ankara
Bursa LRT

UNITED KINGDOM

Manchester Metrolink (GEC
Alstom)
Glasgow Underground:

- Strathclyde Metro
- Erskine Bridge

Cleveland County Council
Communications HQ England
Lansing Production Facility
Citrac Motorway Project
Heathrow Express Rail Link
Heathrow-Paddington Link
Serco Docklands Lightrail London:

- Lewisham
- DLR Beckton Depot

Docklands Main Line
Communication system (London)
Nexus:

- Newcastle Metro
- Sunderland

M77 Highway

References Middle East

IRAN

South Pars 4&5

JORDAN

Al-Samra Waste Water Pipeline
Project

KINGDOM OF SAUDI ARABIA

SWCC :

- Al Jubail Riyadh Line C
(RWC - Riyadh Water Pipeline C)
- Al Jubail Riyadh Line A + B (RWC
- Riyadh Water Pipeline A + B)
- Qassim City Feeders
- Al Hunayy pipeline
- Azizia EPWTS
- Hofuf HWTS Aramco:
- Khuff Gas Frame contract
- DRS Disaster Recovery Project
- Qatif: Gas Field development
- Abqaiq-Shaybah Oil Pipeline
- Shedgum phase 1 + 2
- Haradh Gasp III
- Hawiyah-Haradh pipeline
- AY Gas Plant East-West Pipeline
- Uhtmaniyah
- North Safanyah Artificial Lift /
offshore
- Video Surveillance for Security
- M/W replacement Project
- Ras Tanura Sea Islands
- Khursaniyah MP (Wells)
- JGP to Jubail Ethane Pipeline
- SGP-JGP Pipeline
- Rabigh Development project
Ethane Butane
- Shaiybah /Scheiba

LIBANON

Libanon Beirut centralsolidere

KUWAIT

Kuwaiti Fence Project
Joint Operations Wafra KNPC
NOPP New Oil Pier Project (KNPC)

OMAN

Harweel Phase II (PDO)
Mabrouq Project (PDO)

PAKISTAN

Hub River Fuel Oil Pipeline
Pakistan Airforce

QATAR

Qatargas LNG II On Shore
Qatargas LNG II Off-Shore
Qatargas 3 Off-Shore
Qatargas 3 On Shore
Rasgas LNG On Shore
Rasgas LNG Off-Shore
RasGas Trains 6&7
Qatar Petroleum

Anadarko Qatar Energy
Dolphin On Shore/ Off-shore
Laffan Refinery

UNITED ARAB EMIRATES

ADWEA:

- Taweelah Water Pipeline
 - Shuweihat Water Pipeline
- ASAB 2 Oil Field (ADCO)
Fujairah Water Pipeline (Transco)
Parking Structures (Abu Dhabi
Municipality)
Al-Zour Gas Turbine Plant
ASTRACO DN1000
EGDS Eastern Gas Distribution
System (Dolphin Energy)

YEMEN

LNG pipeline

References

Commonwealth of Independent States (CIS)

ALBANIA

Albanian Power Substations

ARMENIA

Kaukasus Railways

AZERBAIJAN

Kaukasus Railways

GEORGIA

Kaukasus Railways

KAZAKHSTAN

Atyrau-Kenkiyah crude oil pipeline
Airport Almaty
Amangeldy-Taraz Gas Pipeline
Soyuz Pipeline
Kaspian Gaz

KOSOVO

UNMIK Railways

POLAND

Energetyka Kaliska
ENION S.A. Electricity

RUSSIA

CPC (Caspian Pipeline Consortium)
Crude Oil Pipeline System
Sakhalin Pipeline

AUSTRALIA

Kwinana Bus Transit

NEW ZEALAND

Vector Networks
Counties Power
Maari Offshore

Open Transport Network (OTN) Reference List

Nokia Siemens
Networks



References Africa

ALGERIA

Sonatrach

- Gazoduc Maghreb Europe
Pipeline - Algerian Section
- Six Pipes
- FO Arzew - Hassi R'Mel Pipeline
- GK1/GK2 Pipeline
- GR1/GR2 Pipeline
- Ourhoud

Taksebt Water Pipeline
Métro d'Alger

BOTSWANA

Debswana - Orapa Mine (diamant
mine)

CAMEROON

Pipeline project to Chad

CHAD

Pipeline project to Cameroon

EGYPT

CRCC (Cairo Regional Control
Center) Electricity Company

GHANA

Ghana Civil aviation authority Kotoka
Airport
Ghana Parliament

IVORY COAST

City Network Abidjan

LIBYA

Sirte Oil

- Brega- Zuetina
- Zuetina-Benghazi
- Brega City Network

GMMR project
GPTC project
Abdullah Telecom center

MOROCCO

OCP - Office Chérifien des

Phosphates (mining company)

MOZAMBIQUE

MOMA Mozambique

SOUTH AFRICA

South African Airforce Network
Nijlstrom Tol Plaza Project
Mtunzini Tol Plaza Project
Johannesburg Airport
International Airport Cape Town &
Durban
Avgold Gold Mines - Target
Exploration
Harmony Gold Mines:

- Elandsrand
- Bambanani Gold Mine

Anglogold Gold Mines:

- Great Noligwa Mine
- Vaal Reefs No. 9 Shaft
- Kopanang Mine
- Tau Lekoa Mine
- Moab Khotsoong Mine
- Mponeng Mine
- Tau Tona Mine

Placer Dome Western Area Joint
Venture :

- South Shaft
- South Deep

Impala Platinum Mine
Lonmin Platinum Mine - Rowland
Shaft
Anglo Platinum Mine

- BMR
- Cliffontain
- New Entrance
- Amandelbult
- Frank
- Waterval South-Africa
- Twinkham South-Africa

Palabora Mine
Middelburg Mine (BHP)
Arnot Coal Mine: #8 + #10 shaft
Optimum Collieries Mine (BHP)
Comtec Goldfields
Goldfield Mining Group: East

FEATURES

More than 200 large
networks around the world!

The first OTN installed
in 1989 and yet still
operational.

Almost in each country an
OTN installation.

OTN, the one-step fiber
optic multiplexer for metros,
mining, motorways,
airports, pipelines,
electricity, industry,
railways, defense, city
networks, campus...



Driefontein
Anglocoal:

- Isibonela Coliery
- Mafube Mine

Gautrain WM2000

TANZANIA

Bank of Tanzania
Modaus Tanzania

ZAMBIA

Lumwana Mine

References America

ARGENTINA

Ferrovias Metro
Trenes de Buenos Aires (TBA)
Metrovias

BRASIL

AutoBAN Motorway
Fortalesa Light Rail
Belo Horizonte
NovaDutra

CANADA

Vancouver Sky Train, BC + extension
Greater Vancouver Transportation
Calgary City Rail 1st Phase
Calgary City Rail extension
BC Rapid Transit
University of Toronto
City of Toronto
City of Toronto - RESCU Network - Don Valley Parkway
City of Mississauga
MTO QEW-Burlington
IMC Potash Mine
MTO Ontario Ministry of Transportation
Durham College
Enmax Energy Corp
Goldcorp
Fortran

CHILI

Los Pelambres Mine (Rio Tinto)
Metro Santiago de Chile

- Line 1
- Line 2 and 5
- Line 4

Codelco Andina Copper Mine

FRENCH GUYANA

Cayenne Airport (Kourou)

MEXICO

Metro of Guadalajara (L2)
Metro of Monterrey
Luz y Fuerza Electricity Company
Mexico City
Madero PEMEX Refinery
Minatitlán Refinery
CFE White Elephant Building

USA

Belgian Embassy, Washington, D.C.
Houston International Airport, TX (Express Link)
US Military - Fort Meade, Maryland
San Francisco International Airport - People Mover System
NM State University
San Fernando Valley Bus Rapid Transit
Whittier Tunnel (Alaska)
City of San Diego (Highway), California + extension 5
ADA County Highway District, Idaho + extension
City of Jackson, Mississippi
City of Anaheim California - (Lenain Water Treatment Plant)
City of Mesa
Solvay Mine, Wyoming
SEPTA,PA

- R3 West Trenton Line (Railway in Pennsylvania)
- Centralized Train Control (CTC) system
- Underground Police Radio System
- Wayne to Glenside Rail
- Framecontract 1, 2 + 3
- Carmel to Dale project
- Hurricane City Power, WY
- Dept. of Energy Las Vegas
- Wisconsin Highway
- Amtrak Tunnel Project
 - North River Tunnel
 - Empire Tunnel
 - Back up Yard Hellgate
 - Harrisburg Line
 - New England Line
 - East River tunnels

Schwan Food Co. - Tony's Pizza
Las Vegas Monorail
Alyeska Pipeline
LRT Pasadena
Hiawatha LRT, Minneapolis
El Paso DOT
Texas DOT
Pennsylvania DOT
Mississippi DOT
Middlebury College
Baltimore LRT
New Jersey Highway Authority - Garden State Parkway
Bechtel (Nevada)
USAFA Us Airforce Academy
Treasure Island Bridge
Sprinter: LRT Escondido-Oceanside in San Diego area
Rock Island
George Washington Bridge
Transocean
Appleton Bridge
Howard University
MGM Las Vegas People Mover

VENEZUELA

Maracaibo LRT

References Asia

BRUNEI

Navy Brunei: naval ship communication

CHINA

GMC (Guangzhou Metro Corporation)

- Line 1
- Line 2
- Line 4

Gao-Qiao Petrochemical Corporation
Shanghai Metro L2
Shangahi Metro Line 2 west ext.
Shanghai Line Public Security CCTV
Volkswagen (Shanghai)
Nanjing Power Bureau
Jingshen Highway (Beijing)
Luo Yang Petrochemical (Luo Yang)
Jingshi Highway (Beijing)
Wenzhou Water Pipeline
Shanghai Transrapid
Lanzhou iTS Transmission project
Dongshen Water Pipeline, Guang Dong Province
Tian Jin LRT, Beijing
ITSC Beijing
ChangAn University XiAn
Shenzhen Metro L1
Shenzhen Metro L4
ChongQing LRT L2
Nanjing Metro L1
Petrochemical China
Yang Shan Harbour - Shanghai
Beijing Metro L 5
Beijing Metro L 10
Beijing Dyke
Huizhou Power
Luoyang Petrochemical

HONG KONG

KCRC LRT L1, L2, L3, L4 (Kowloon Canton Railway Corporation)
Aberdeen Tunnel

INDIA

National Highway Authorities India

MALAYSIA

GPP 5 / GPP6 Pipeline
KLIA (Airport) (Express Rail Link) (ERL)
Navy Malaysia: naval ship communication
Monorail Kuala Lumpur

MYANMAR

Yadana Pipeline (TOTAL)
Yadana Border Pipeline Network (TOTAL)

PAKISTAN

Pakistan Airforce

SINGAPORE

Changi Airport People Mover

SOUTH KOREA

British-American Tobacco Korea (BATK)
Inchon Rail Depot
Kang Nam Land Ski Resort
Green Cross Ochang Factory

THAILAND

BTS Bangkok
East Water Pipeline Project
East Water Pipeline Project 2
Don Muang Highway
MRTA Bangkok
Amerada Hess Pu Hom Pipeline

VIETNAM

Gas pipeline Namconson
Su Tu Vang off shore
Phu My Gas

References Europe

AUSTRIA

Ampelsteuerung in Graz
Stadt Wien: Erweiterung und Modernisierung des zentralen Verkehrsbeobachtungssystems

BELGIUM

B-Telecom (Belgian National Railways)

- Marshalling Yard Antwerp North
- High Speed Train (TGV) Station Brussels South
- High Speed Train (TGV) station Antwerp
- Passenger Information System Antwerp-Berchem
- Antwerp Commercial Harbour Network
- Upgrade TGV Station Brussels South
- Upgrade Marshalling Yard Antwerp North
- Passenger Information System Mechelen
- Hessenatie Antwerpen North
- North-south connection HSL Antwerp
- P&O Antwerp

Ministry of Foreign Affairs

Ministry of Finance

Neste Chemicals

Fina Refinaries

SCANA Noliko

Belgoprocess (Nuclear Research Facility)

Netmanagement Wallonie (formerly Electrabel EDWAL)

WVEM (West Vlaamse Electriciteits Maatschappij)

Idea

Fortis Bank

Belgocontrol

Hoge Raad Diamand Antwerpen

Tramway Gent (De Lijn)

FINLAND

Finnish Army
Kampin Keskus shopping mall
Finnish Navy

FRANCE

City Network of Strasbourg (Citévision)
Tramway de Montpellier, Ligne 1, 2
Tramway de Lyon, Ligne 1, 2, 3
Toulouse B
Métro Lille Ligne 2

GERMANY

NATO - AWHQ Project
Essener Verkehrs AG (EVAG)

- Data Network
- LAN Network
- Video Network

MAGLEV SPM Network

Lab for new Maglev track

Hamburger Hafenbahn (harbour railway)

Vattenfall Europe Mining AG

(formerly Laubag Lausitzer Braunkohle):

- Welzow:
 - Förderbrücke
 - Schaufelrad Bagger
 - Zentral
 - Coal Belt Conveyor

- Nochten:

- Kohlebandanlage
- Nochten F60
- Reichwalde

- Jänschwalde:

- Förderbrücke
- Landanbindung
- Video Extension

Mider Mitteldeutsche Erdöl Raffinerie

MIBRAG (Mitteldeutsche

Braunkohlen A.G.):

- Schleenhain

RBAG (Ruhrkohle Bergbau A.G.):

- Schachtanlage Friedrich Heinrich (mine shaft in Kamp Lintford)

Deutsche Steinkohle A.G.:

- Schachtanlage Westerholt in Gelsenkirchen

- Schachtanlage Prosper-Haniel Kali & Salz GmbH (Salt Mine)

RWE Rheinbraun Braunkohle AG:

- Niederausum
- Hambach
- Garzweiler

RWE Power

Oberhausen Mühlheim

Stadtbahn Saarbrücken

SIPEM People Mover System

Dusseldorf Airport

Bonn-Cologne Airport

München Airport

Rostock S-Bahn (LRT)

Stadtbahn Bonn

Rheinbahn Dusseldorf

Bayern Öl Raffineries (BP/AGIP/ARAL)

Dürener Kreisbahn

Duisburg Verkehrs Gesellschaft AG

Kölner Verkehrs Betriebe (KVB)

Polizei Frankfurt am Main

Polizei Leipzig

Stadtbahn Frankfurt am Main

BSL pipeline Stade - Dow Chemicals

RMR Pipeline (Rhein-Main-Rohrleitungs-Gesellschaft)

AMB Generali in Aachen

Bundeswehr Trier

Feuerwache Hagen

Citybahn Chemnitz

Feuerwehr Bonn

Feuerwehr Wuppertal

Potsdam

KfW Kreditanstalt für Wiederaufbau

IVG (Immobilien Verwertungs Gesellschaft)

Kalmar Cranes Hamburg

Wingas pipelines (Wingas/

Wintershall)

ETZEL/EON Ruhrgas

GREECE

Attiko Metro

Greek Electricity Company Project (PPC)

HUNGARY

M5 Motorway Toll Project (Budapest)

BKV Gödöllő Hév

Budapest Light train

IRELAND

University of Limerick

Buncranna co., Production Facility

Donagal

Dublin Metro LUAS

ITALY

Ferrovia Alifana Metro

Tangenziale Di Mestre Motorway

Ferrovie Nord Milano + Part II

Metro Genua

Metro Napoli

Autostrade Padova e Venezia SpA

LATVIA

Bank of Latvia

NORWAY

Statens Vegvesen: Oslo Tunnel &

Traffic Control Center

PORTUGAL

Metro Lissabon

SPAIN

Barajas Airport gate-guides

Harbour of Palma de Mallorca

Tramway Alicante

SWEDEN

Skärholmen centrum shopping mall

Stockholm