



IDENTIC

Innovative Refilling Solutions



About us

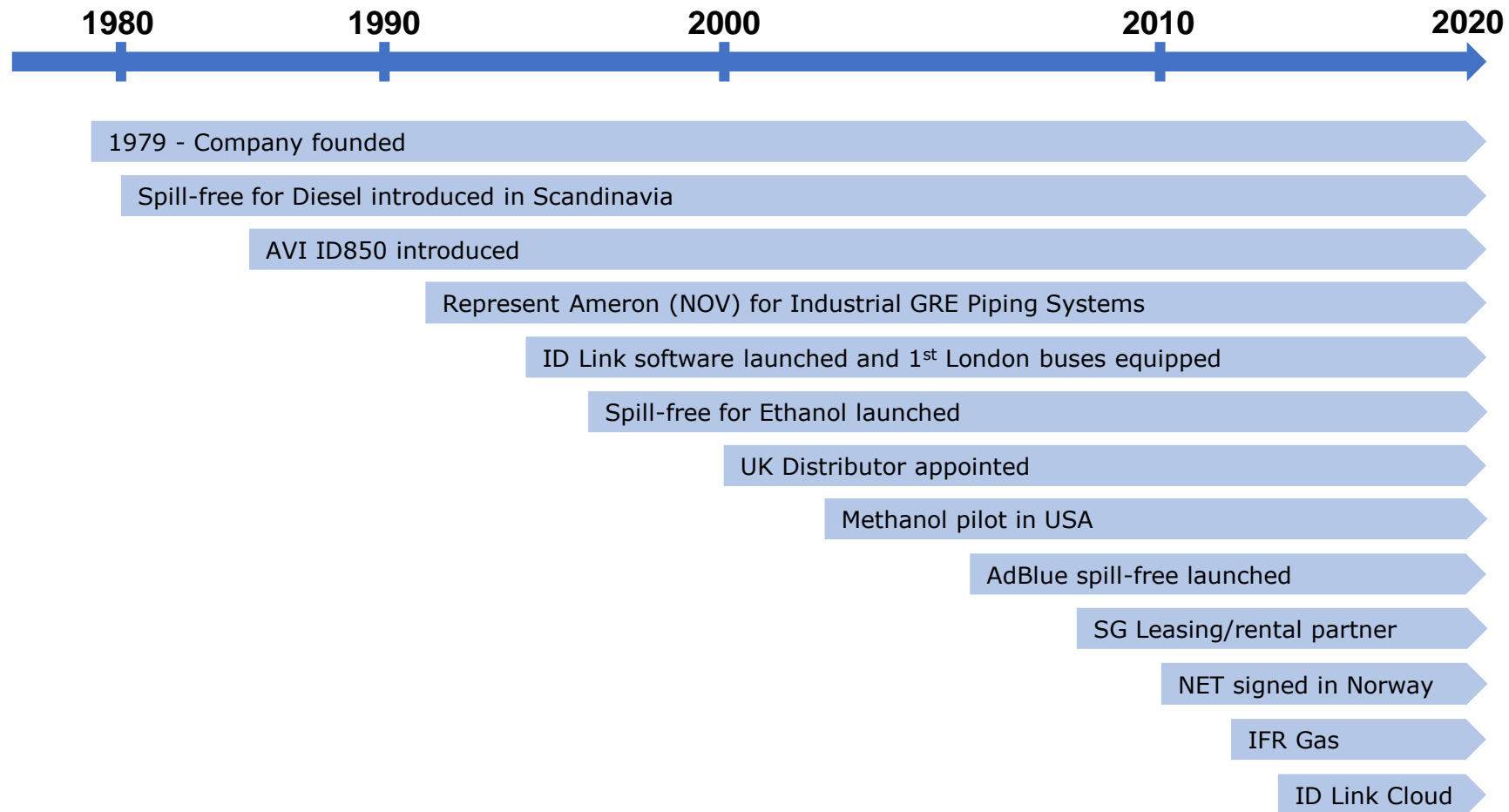
A large cable-stayed bridge with four tall pylons, illuminated at dusk. The bridge spans a body of water, and its lights reflect on the surface. The sky is a mix of orange, pink, and blue.

What we do

IDENTIC specialises in modular systems which maximise the efficiency and daily management of fuels and service for depot-based vehicle fleets in the transportation sector

IDENTIC is the market leader in its field, delivering equipment, services and cloud-based management software that enables our customers to effectively maintain their infrastructure and optimise their vehicle fleets

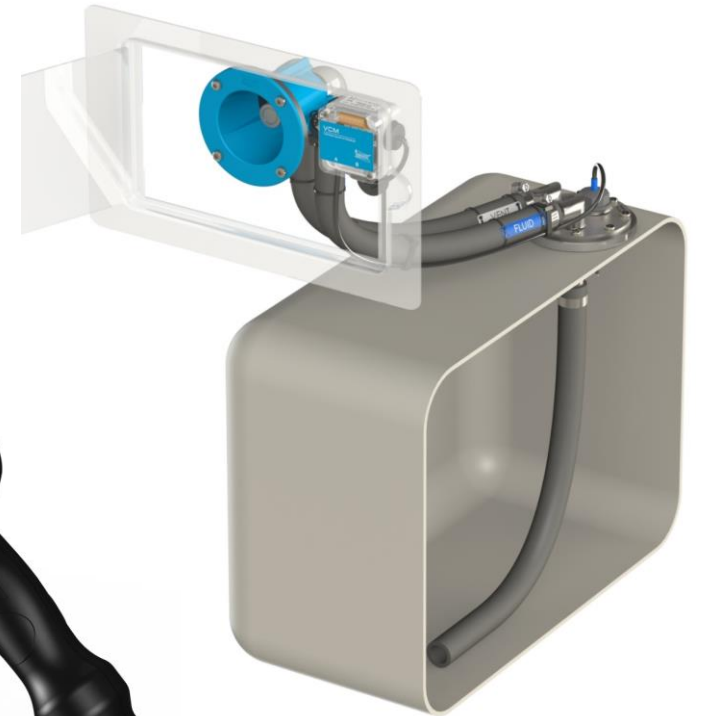
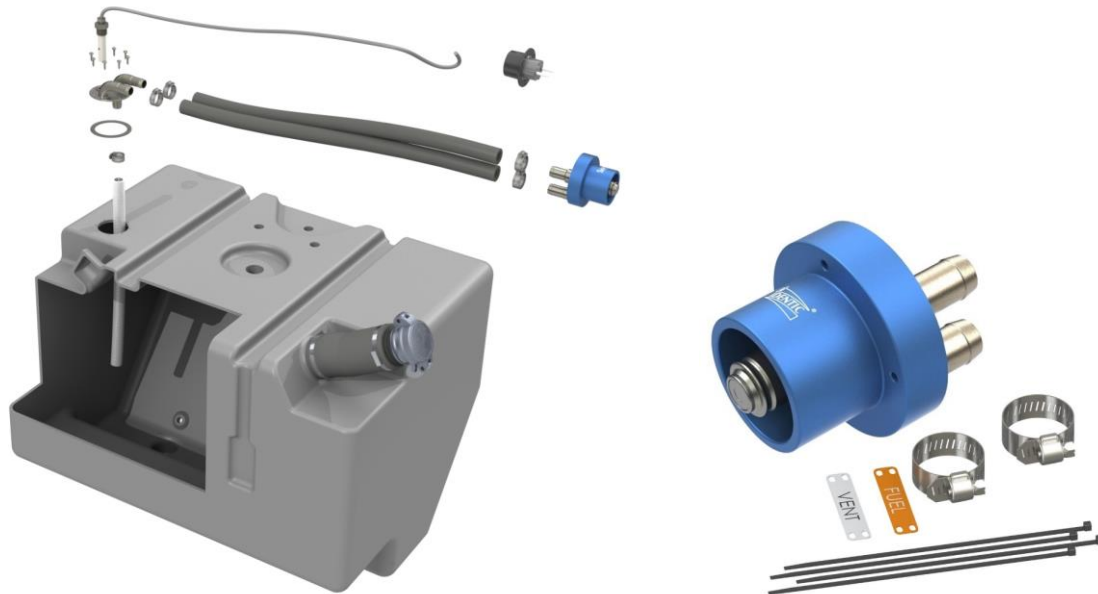
Company timeline



IDENTIC a leading technology company

Pioneering innovation for vehicle refilling

IDENTIC has developed spill-free refilling systems for use with a range of fuels and chemicals



Refilling systems - key figures

Over 50% of buses
in Sweden use
spill-free refilling



Over 50,000
vehicles kits supplied

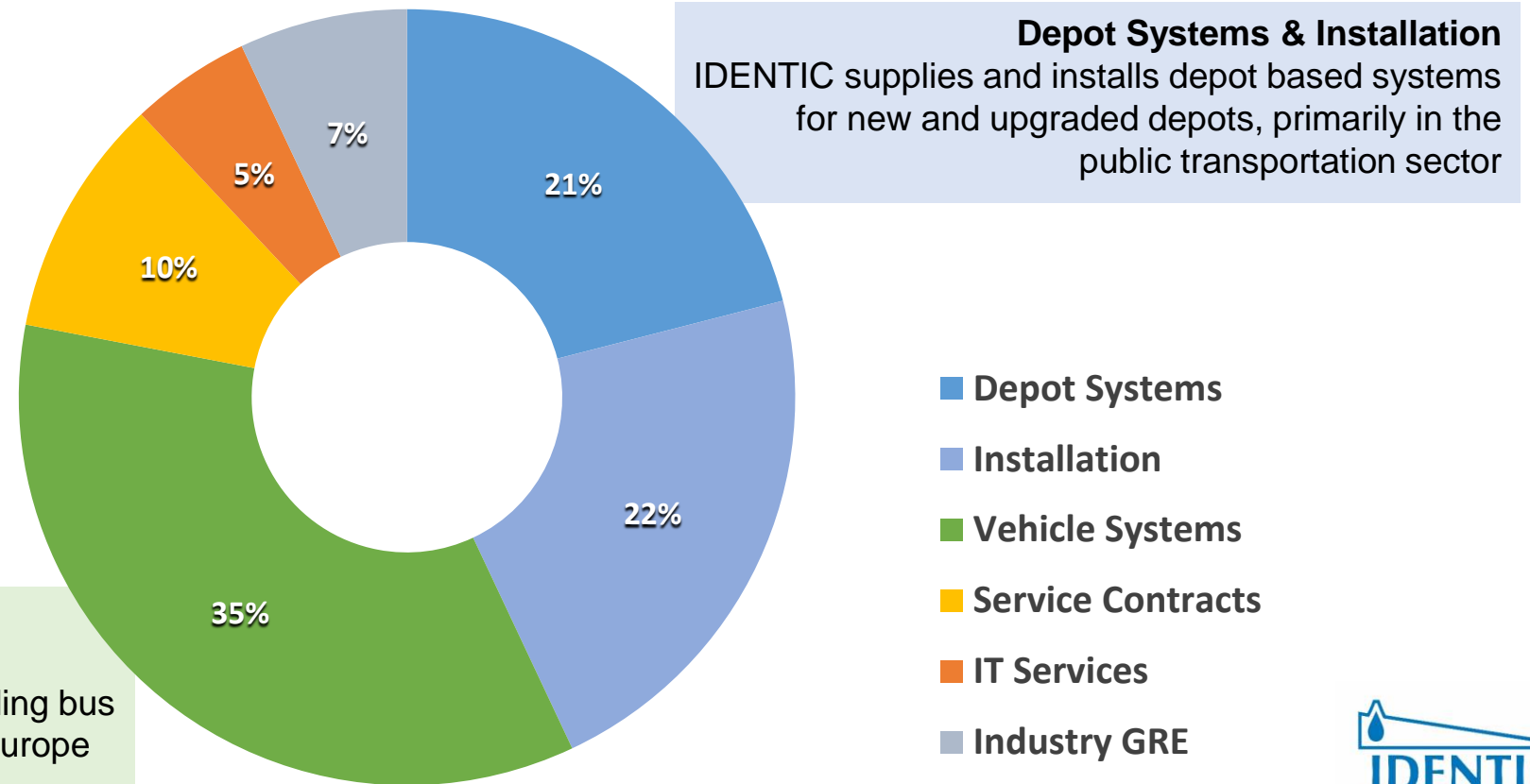


4,500,000 refilling
transactions per year



Our business areas

Average annual revenue split



Our European network

IDENTIC is represented in

Sweden

Norway

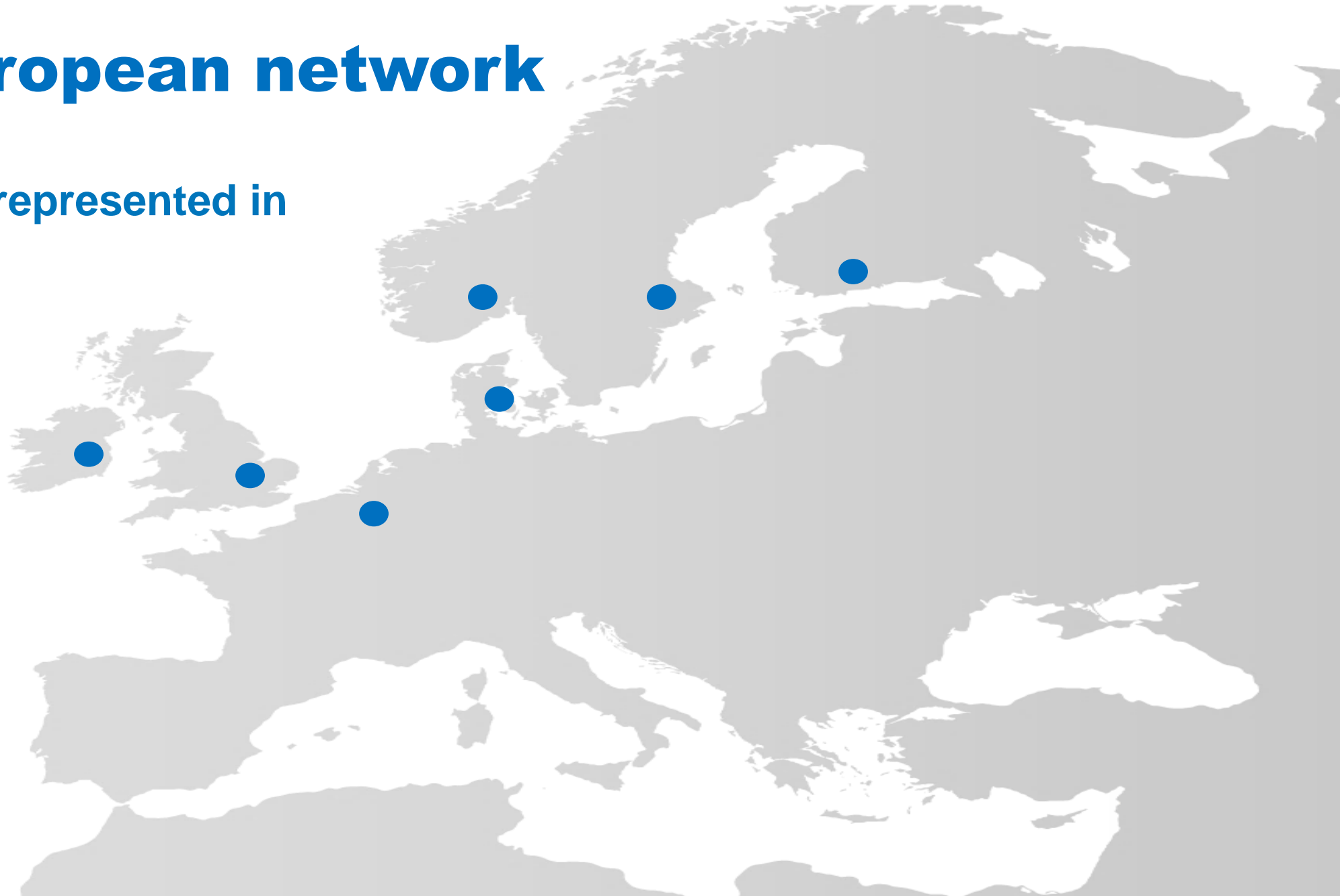
Finland

Denmark

Benelux

UK

Ireland



IDENTIC IDS – a Modular System

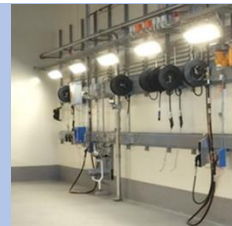
Intelligent Depot System

IDS is a modular systems for vehicle refilling and fleet management, across a range of fuel and energy sources



Refilling systems

- Pumps and fuel storage
- Fuel distribution
- Lane optimisation
- Data collection



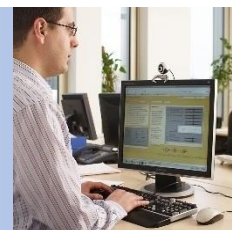
Vehicle systems

- Spill-free filling
- Level control
- Improved fill rate



Management Software

- Planning and analysis
- Modular solution
- Cloud services
- Data export



Vehicle Identification

- Automatic vehicle identification
- Data integrity
- km registration



Access Control

- Entry/exit control
- Event registration
- Facility security



Parking and location

- Vehicle location
- Zone management
- Traffic planning
- Driver information



A Common Platform for all types of Fuel

Intelligent Depot System

IDS provides a common platform and management information system which automatically registers the refilling of each vehicle irrespective of the selected fuel or energy source



Diesel



Bio-Diesel



Ethanol



Methanol



CNG/CBG



Electric



Hydrogen

Existing

Planned

Cloud based IT services

ID Link Cloud is a comprehensive cloud based hosting service for the IDENTIC software platform



IDENTIC works with the **Microsoft Azure®** platform and its collection of integrated cloud services to host the IDENTIC ID Link Cloud services and ensure maximum availability and security for its customers



Our Customers

IDENTIC deliver services and solutions to a wide range of end-customers

Public Transportation - Vehicle Fleet Operators

Public Transport Authorities & Municipalities

Port Operators

Train Operators

Vehicle Manufacturers



SCANIA



... a selection of our customers





A Greener Choice

Protecting the environment has never been more in focus than it is today. IDENTIC, with its range of spill-free solutions for the transportation sector and industrial piping systems, is helping its customers minimise their environmental impact.

Our SVR technology not only prevents spillage at the point of refilling, but also ensures vehicles are filled to the correct level and not overfilled, as this can lead to subsequent spills and leaks due to expansion.

Our GRE piping systems require lower energy to produce and through their service life.



Our Technology

Depot Systems

Depot-mounted components and systems for refilling fuels and chemicals



Daily Service and Refilling of heavy-duty vehicles

Performance, Reliability and Flexibility

IDENTIC depot systems manage and automate the complete process of refilling fuels and chemicals during the daily service of heavy-duty vehicles.

Our lane terminals are configurable to suit the end-users operation and requirements.

The systems automatically identify the vehicle and log the use of any number of fuels and chemicals found in a modern refilling area.

Transaction data is automatically synchronised with our Cloud based services and is made available via our Sync Service in the Cloud.

Refilling lane optimisation



The Professional Solution for depots

The IDENTIC system provides the optimum solution for multi-lane, multi-fuel refuelling and daily service.

A centralised, high capacity dual-pump package delivers fuel to all the lanes and each nozzle in the lane.

Refuelling lanes efficiently and ergonomically position both spill-free and manual nozzles to suit the varying requirements of the fleet of vehicles used at the site. Each lane is equipped with a Lane Terminal which controls all the equipment in the lane.

The Lane Terminal automatically identifies and authorises the vehicle and accurately registers volumes for the connected products, e.g. fuel, oil, lubricants, screen wash etc.



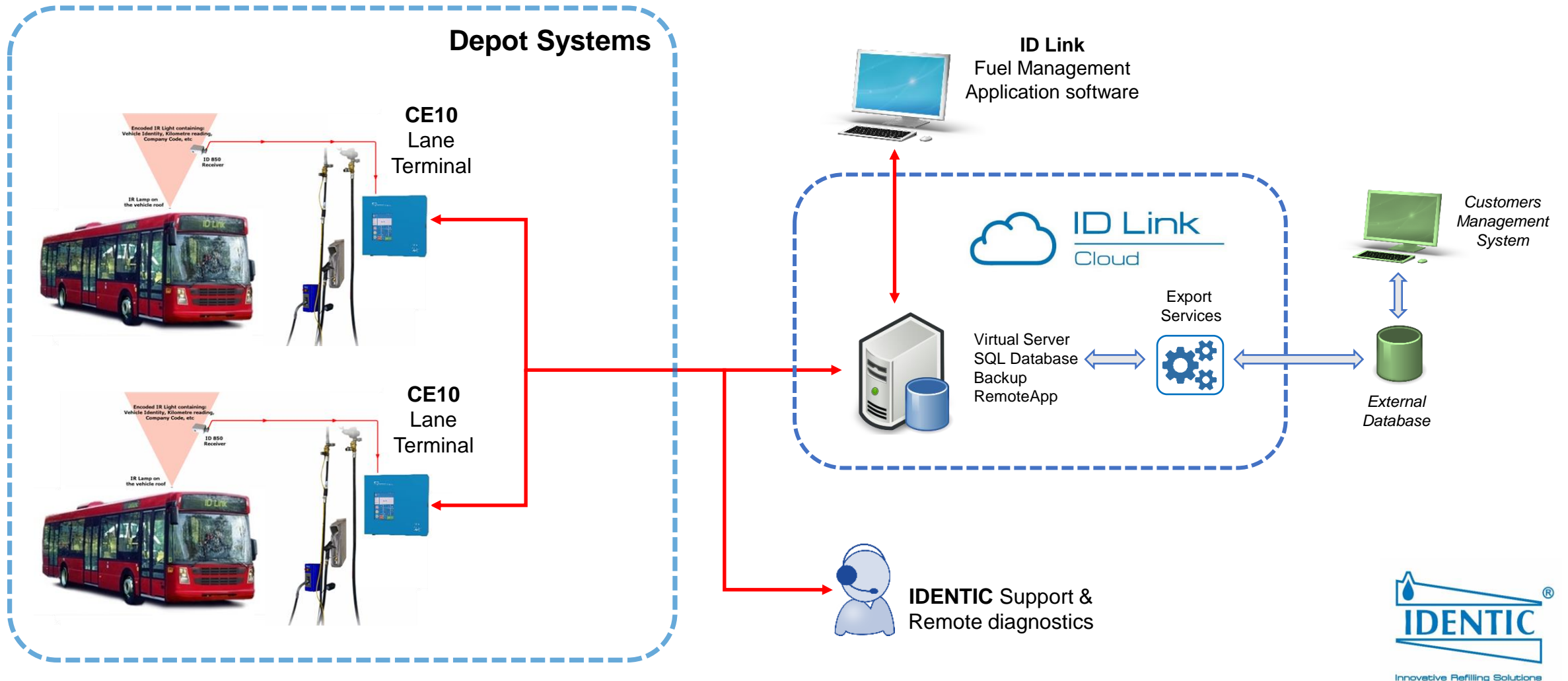
IDENTIC CE10 lane terminal



IDENTIC's CE10 terminal is an Ethernet enabled, multi-functional, fuel lane controller with advanced and configurable features

- Ethernet connectivity allows increased functionality and remote diagnostics capabilities
- Latest adaptive software platform
- Intuitive user interface via colour LCD Touch Display
- Supports multiple AVI capabilities
- Controls IDENTIC spill-free technology SVR
- Seamless integration with ID Link Cloud and IDENTIC's Intelligent Depot System

Typical system configuration



IDENTIC SVR Dispenser Unit (DU)



**CE10
Lane Terminal**



**Dispenser Unit
(DU)**

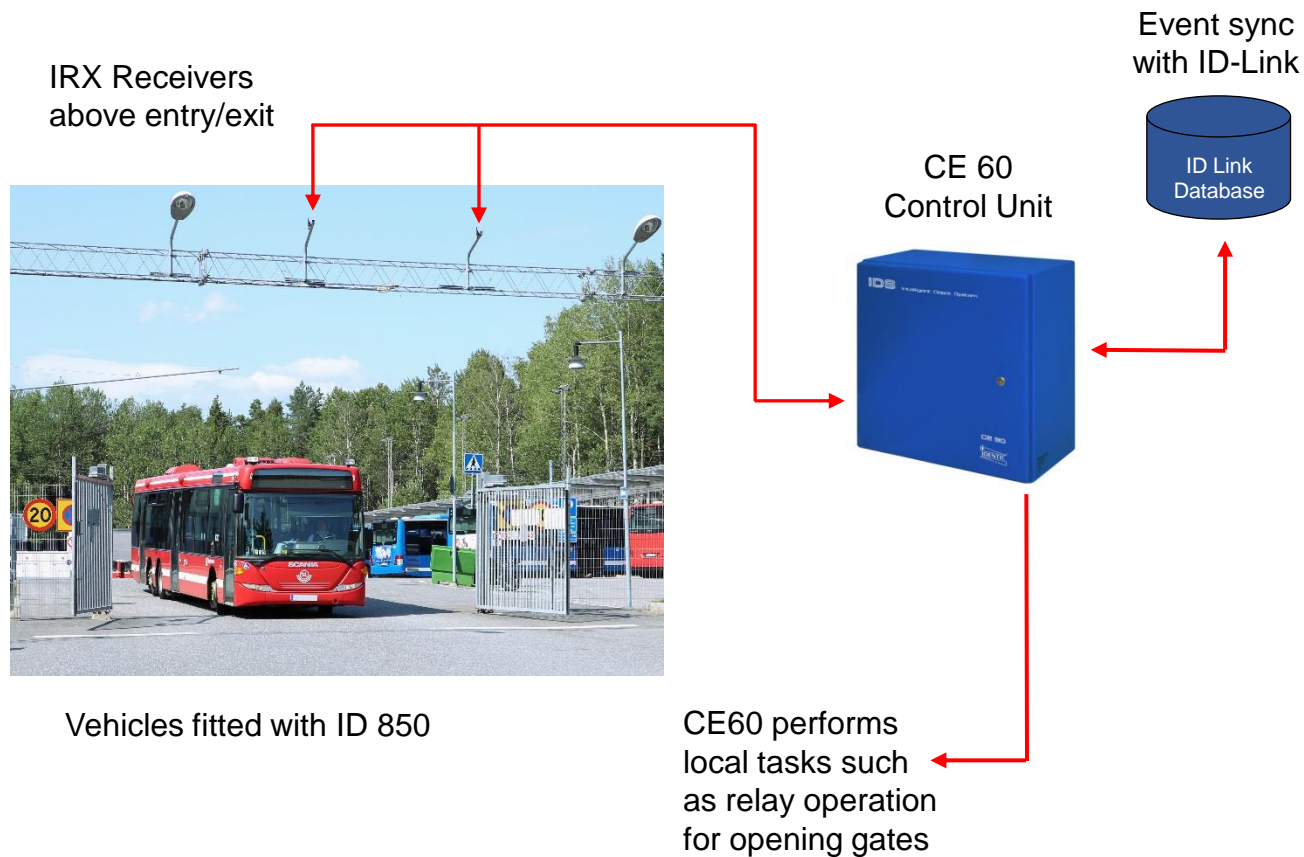


IDENTIC's CE10 terminal is integrated into the IDENTIC SVR Dispenser Unit (DU)

- Optimised for smaller installations and smaller fleets
- All the main CE10 features are available in the DU
- Fully compatible with IDENTIC's ID Link platform
- DU Dispenser includes pump, volume meter, nozzle holster
- Intuitive user interface via colour LCD Touch Display
- Remote diagnostic capabilities
- Options include:
 - Control of SVR spill-free technology
 - Multiple AVI capabilities
 - Ethernet/4G connectivity with ID Link & ID Link Cloud

IDS Module – Gate control

Entry / exit control



ID Gate automatically identifies and authorises vehicles, registers vehicle data and event time when the vehicle enters or exits the depot

The system handles local tasks such as opening the gates and controlling lights or information displaying to drivers

All events can be recorded and stored in the central database and accessed via IDENTIC ID Link Cloud



Our Technology

SVR Spill-free Vehicle Refilling

Depot and Vehicle mounted systems for refilling fuels and chemicals

SVR Spill-free Refilling of Fuels & Chemicals

Why use Spill-free Refilling?

- Eliminate the risk for spillage during refilling
- Increase the effective refilling speed
- Ensure vehicle is always filled to correct level
- Remove the risk for overfilling
- Reduce the risk of unauthorised fuel usage



IDENTIC SVR solutions

Diesel

Bio-Diesel

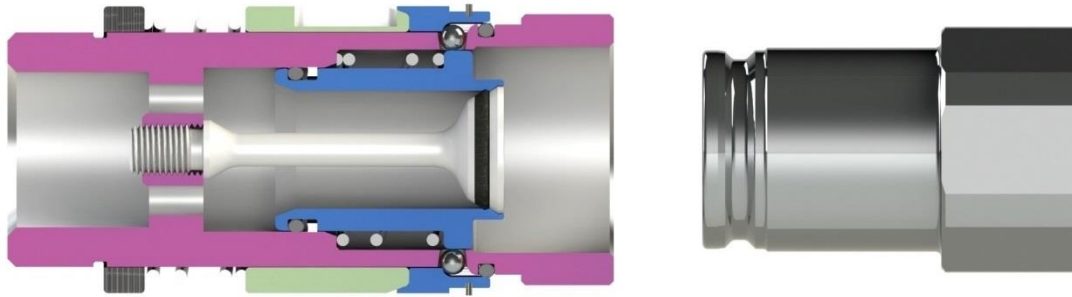
Ethanol

Methanol

AdBlue

The Spill-free Connection

Interface principles



Connector Disconnected

When the nozzle is not connected to the male connector, the flow of fuel is prevented by the internal valves and spillage is not possible from either part

Connector Connected

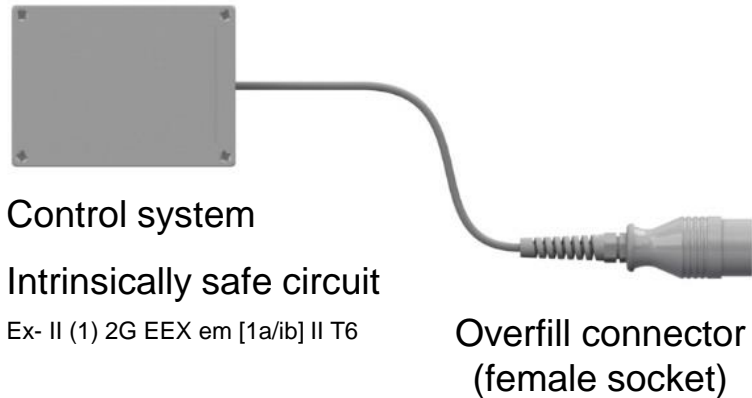
Only when the nozzle is connected to the male connector on the vehicle are the internal valves opened and the flow of fuel is possible



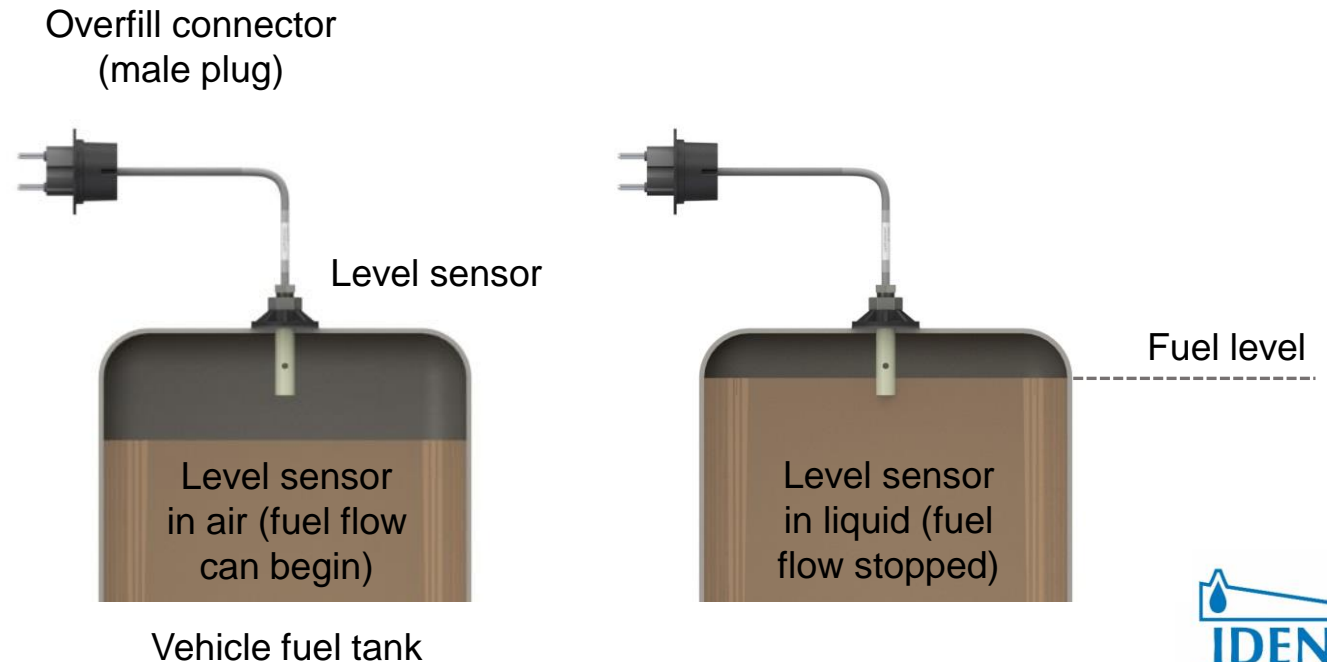
Overfill Protection

Overfill Protection Components and Principles

Depot / Dispenser Components



Vehicle Components



SVR onboard a vehicle

IDENTIC vehicle mounted fuel refilling installation

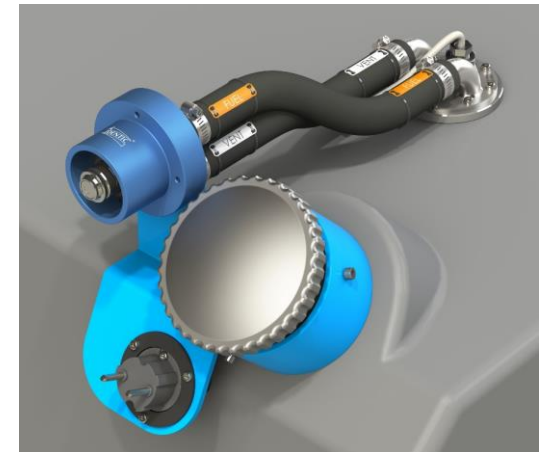
Standard & Customised Solutions



IDENTIC's range of vehicle kits enable SVR to be easily installed on the manufactures assembly line or as a retrofit to existing vehicles

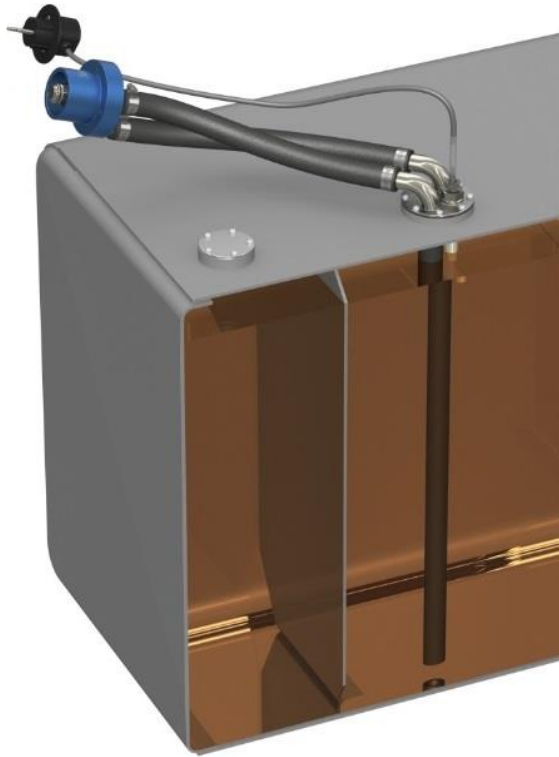
SVR kits typically comprise of a spill-free coupling, level sensor with connector and associated tank ventilation components

Based on the vehicle type and customer requirements, individual solutions based on standard or customised components are available



Vehicle mounted equipment

The vehicle equipment includes...



- **Overfill prevention**
An intrinsically safe level sensor that monitors the status of the level in the vehicles tank. The level sensor is supplied in varying lengths and types to suit the individual fuel type and tank dimensions
- **SVR Coupling**
The vehicle mounted male spill-free coupling to suit the fuel type being dispensed. The spill-free coupling is mounted either in the fill pipe or separately using the ventilated coupling adaptor
- **Overfill Connector**
The overfill prevention connector is attached to the level sensor via a cable and is mounted on or near the side of the vehicle close to the AT-1 coupling
- **Ventilation System**
If the SVR coupling is not mounted directly in the fill pipe, a separate ventilation system is required. This ensures the necessary ventilation of the tank during the refilling process

SVR for AdBlue

IDENTIC vehicle mounted SVR systems for AdBlue



IDENTIC's fully sealed system for AdBlue features a spill-free coupling which considerably reduces the risks that can result from spillage

The unique AdBlue couplings size prevents cross-coupling with fuel SVR couplings

The vehicle kits typically comprise of a spill-free coupling, level sensor, Vehicle Control Module (VCM) and associated tank ventilation components

The VCM communicates wirelessly with the host module connected to the dispensing system to control the flow of AdBlue to vehicles tank





Our Technology

Software Solutions

Cloud Solutions for Simplified Integration, Administration & Reporting



ID Link Cloud

ID Link Cloud is a comprehensive cloud based hosting service for the IDENTIC ID Link software platform which provides a secure virtual “home” for the ID Link servers, databases, applications and data held within the ID Link software environment.

IDENTIC uses the **Microsoft Azure®** platform and its collection of integrated cloud services to host the ID Link Cloud services, ensuring maximum availability and security.



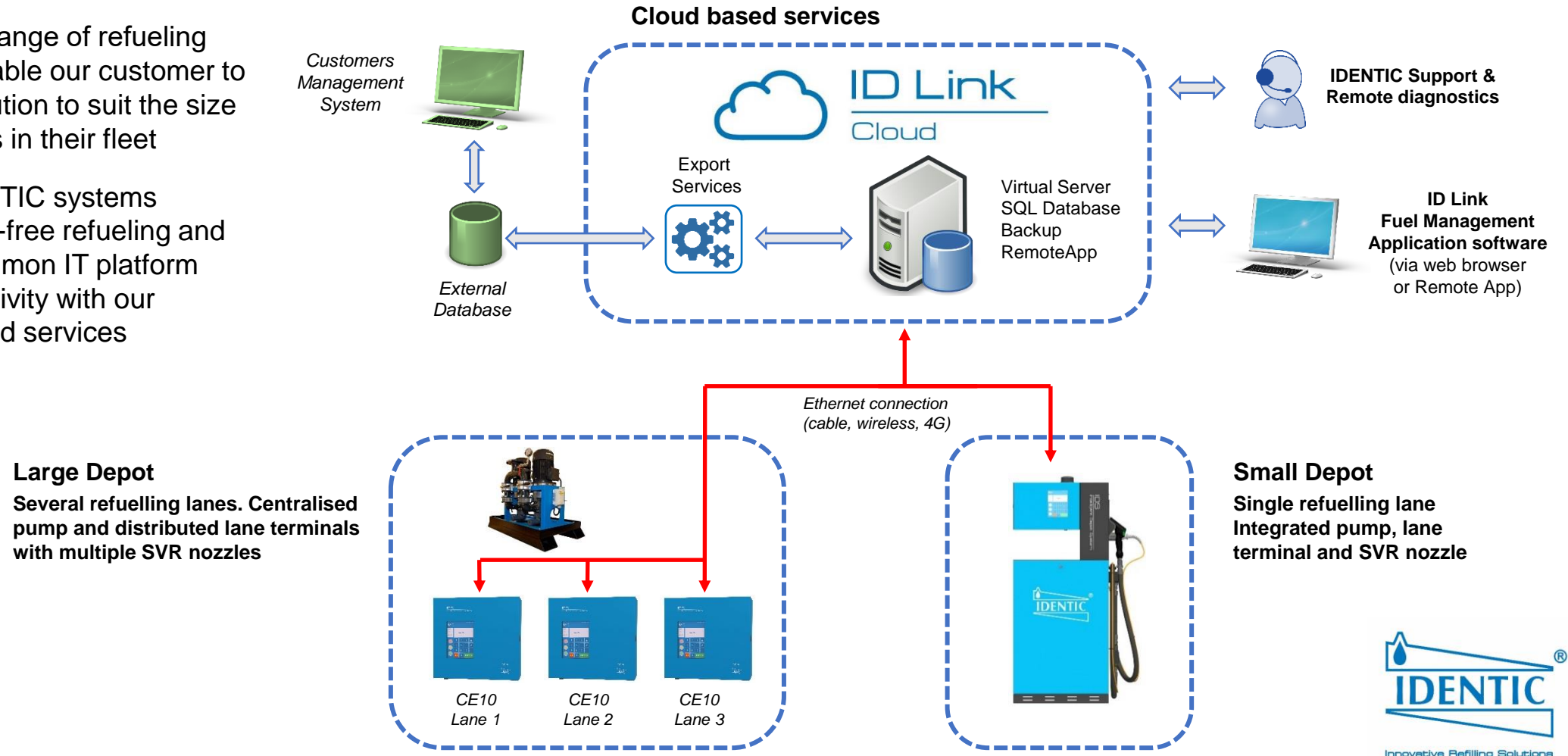
ID Link Cloud with Azure provides

- Increased Data Security
- Improved availability
- Cost efficiency
- Scalability
- Modular approach

Connectivity and Cloud Services

IDENTIC's range of refueling systems enable our customer to select a solution to suit the size and vehicles in their fleet

All the IDENTIC systems support spill-free refueling and share a common IT platform and connectivity with our ID Link Cloud services





Our Services

Get the most out of your investment with regular qualified service from IDENTIC
Our services makes your operations reliable and efficient

Our Service Offering

IDENTIC provides service for fuel installations across a wide range of industries



We work with a range of service contracts and agreements tailored to suit your needs

Our mission is to

- Respond quickly

- Minimize downtime

- Increase asset availability

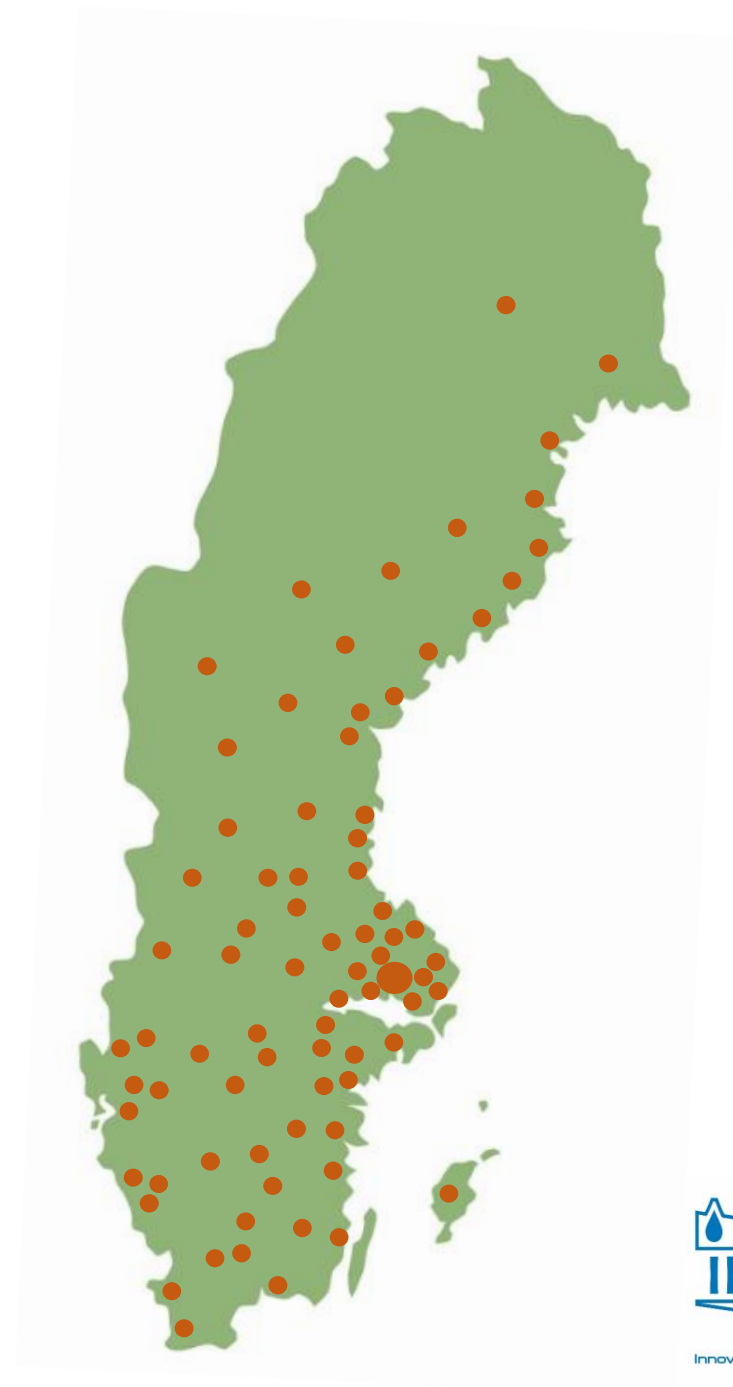
Our Service Offering

National coverage

IDENTIC manages service contracts covering approximately 120 sites across Sweden which involve more than 400 service visits per year

We have representation from Lulea in the north to Malmö in the south by accredited personnel and service partners.

We use local partners to minimize response times in remote areas





Industry GRE Piping

Innovative Piping Solutions

Industry Piping Division

**High performance corrosion free GRE pipe systems
for industrial applications**



We represent NOV in Sweden and Finland, providing sales and qualified technical services, consultancy, training and project management services

Our end customers include

Refineries

Heavy Industry

Harbours

Offshore Industry

Nuclear Power Plants

Ship Owners & Ship Yards





Industrial Glass Reinforced Epoxy (GRE) piping systems.

Performance, Reliability and Corrosion Resistance

GRE piping systems are the logical choice in challenging or corrosive environments, where the exceptional properties of GRE plastic piping systems surpass conventional steel systems.

GRE fire-resistant characteristics make them ideal for installations in flammable environments or where extended operation when exposed to fire is required.

By selecting a GRE piping system which has a much longer corrosion free service life, the total operational cost of the installation can be reduced dramatically.

All this in combination with a smaller carbon footprint.

Our Industrial Customers

IDENTIC delivers GRE piping solutions to a wide range of end-customers

Heavy Industries

Refineries

Harbours

Nuclear Power Plants

Ship Owners & Ship Yards

APPLY[®] EMTUNGA


**GÖTEBORGS
HAMN**

NYNAS

NESTE
The only way is forward



st1

TVO

VATTENFALL 

... a selection of our customers


IDENTIC
Innovative Refilling Solutions



Innovative Refilling Solutions

With over 40 years of delivering innovation, technology and services to the transportation industry, IDENTIC is the supplier of choice

Whatever the size or scope of your business and vehicle fleet, IDENTIC will tailor our products and solutions to suit your individual requirements

Contact our team for more information





Innovative Refilling Solutions

Contact Information

Helpdesk & Support

Phone: +46 8 409 120 99
E-mail: support@identic.se

Switchboard

Phone: +46 8 409 120 00
E-mail: info@identic.se

Service

Phone: +46 8-409 120 99
E-mail: support@identic.se

Order Processing

Phone: +46 8-409 120 00
E-mail: order@identic.se

www.identic.se

