BSI Education

bsi.

...making excellence a habit.™

Standards in support of transport and mobility

The future of transport will involve people, goods and services moving more safely, efficiently and effectively around and between cities, rural areas and across continents.

The transport sector is facing rapid innovation, with the advent of new digital technologies, cleaner fuels and demand for more flexible transport solutions and services. While opportunities exist to reduce carbon emissions, congestion and further enhance safety and passenger experience (using travel data and smart phone apps), there are numerous barriers and risks to overcome.

Standards play a vital role in supporting the life-cycle of vehicles from design and manufacture (including component supply chain) through to re-use and recycling. This helps drive performance, quality, environmental benefits, safety and security of both vehicles and their surrounding infrastructure.
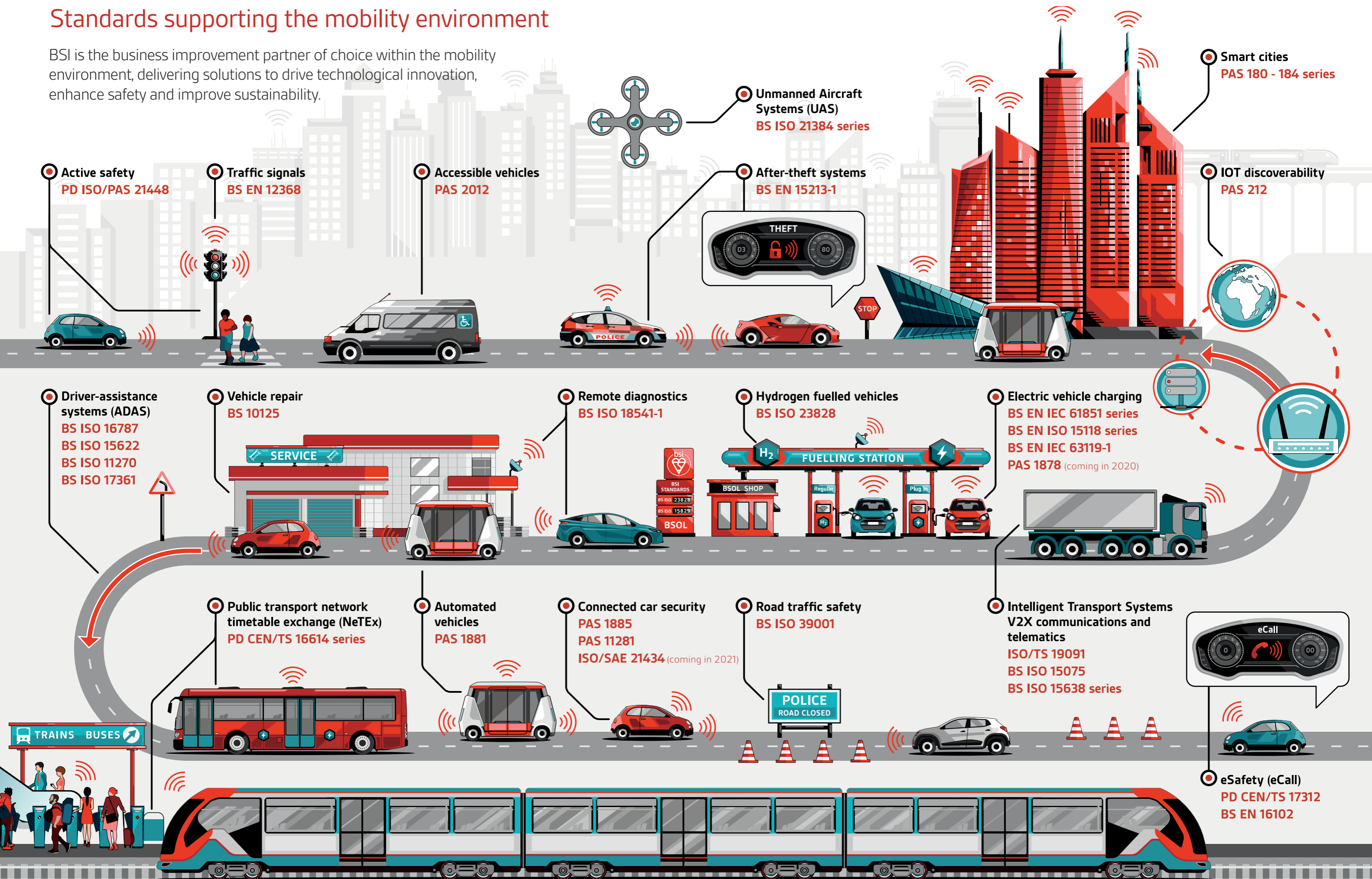
In a world of connected intelligent mobility, standards will be increasingly important to achieve interoperability and support the use of transport data to enable more efficient road networks and end-to-end passenger journeys and freight services across a variety of transport modes (e-bikes and cars, buses, taxis, trains, air drones).

What BSI does

- ⊘ Creates standards to help ensure manufacturers and their supply chains develop safe, reliable and interoperable products and systems

- ⊘ Supports sector R&D by working with academia and industry to identify opportunities for standardization to accelerate innovation in areas such as UAS (drones), electric and automated vehicles

- ⊘ Works with government and industry to enable the safe adoption of new transport technologies across road transport, aviation, marine and rail

- ⊘ Our library of standards is used to support road authorities, transport operators and technology companies to deliver secure, interoperable and resilient transport networks

Standards supporting the mobility environment

BSI is the business improvement partner of choice within the mobility environment, delivering solutions to drive technological innovation, enhance safety and improve sustainability.

Unmanned Aircraft Systems (UAS)
BS ISO 21384 series

Smart cities
PAS 180 - 184 series

Active safety
PD ISO/PAS 21448

Traffic signals
BS EN 12368

Accessible vehicles
PAS 2012

After-theft systems
BS EN 15213-1

IOT discoverability
PAS 212

THEFT

STOP

Driver-assistance systems (ADAS)
BS ISO 16787
BS ISO 15622
BS ISO 11270
BS ISO 17361

Vehicle repair
BS 10125

Remote diagnostics
BS ISO 18541-1

Hydrogen fuelled vehicles
BS ISO 23828

Electric vehicle charging
BS EN IEC 61851 series
BS EN ISO 15118 series
BS EN IEC 63119-1
PAS 1878 (coming in 2020)

SERVICE

bsi BSI STANDARDS
BS ISO 23828
BS ISO 15829
BSOL

H_2 FUELLING STATION
BSOL SHOP
Regular
Plug In

Public transport network timetable exchange (NeTEx)
PD CEN/TS 16614 series

Automated vehicles
PAS 1881

Connected car security
PAS 1885
PAS 11281
ISO/SAE 21434 (coming in 2021)

Road traffic safety
BS ISO 39001

Intelligent Transport Systems V2X communications and telematics
ISO/TS 19091
BS ISO 15075
BS ISO 15638 series

eCall

POLICE
ROAD CLOSED

TRAINS   BUSES

eSafety (eCall)
PD CEN/TS 17312
BS EN 16102

About BSI Education

Universities make a significant contribution to standardization by teaching about standards, contributing academic research and participating in standards development. BSI Education builds relationships and creates programmes with universities to help raise awareness of the benefits of standards to society and the economy and to encourage and increase participation in standards-making.

bsigroup.com/education

Find out more
For more information about BSI Education contact **education@bsigroup.com**

bsi.