



## New Modular & Scalable Telematics Platform

### Telematics Hardware Re-Invented

#### **Modular**

The BASE board provides a standardised foundation on which the customisable VARIO PCB piggybacks. It is like a tooling equipment with a multitude of tools to be attached to.

#### **Customisable**

Easily adapt elements of the specification to meet new market demands or applications.

#### **Scalable**

The nested design approach delivers flexibility regarding specification while averting time and cost for extra certifications. New specifications represent assembly variants, not re-designs.

#### **Cascading**

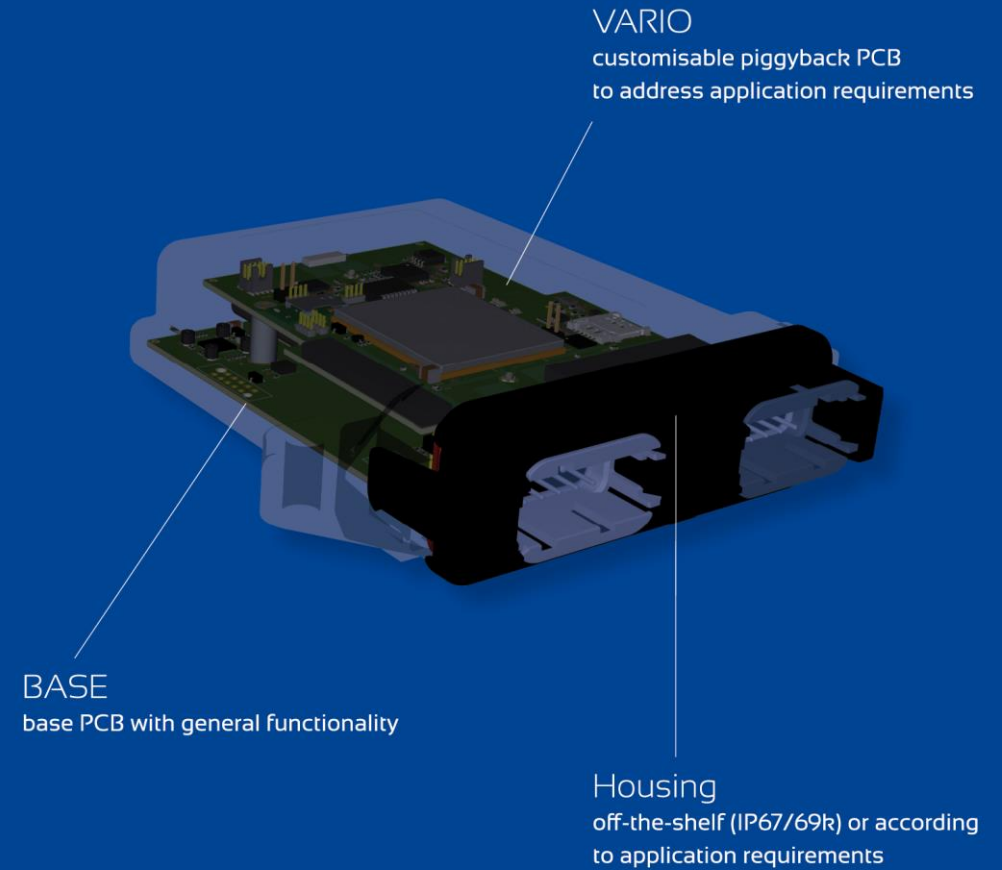
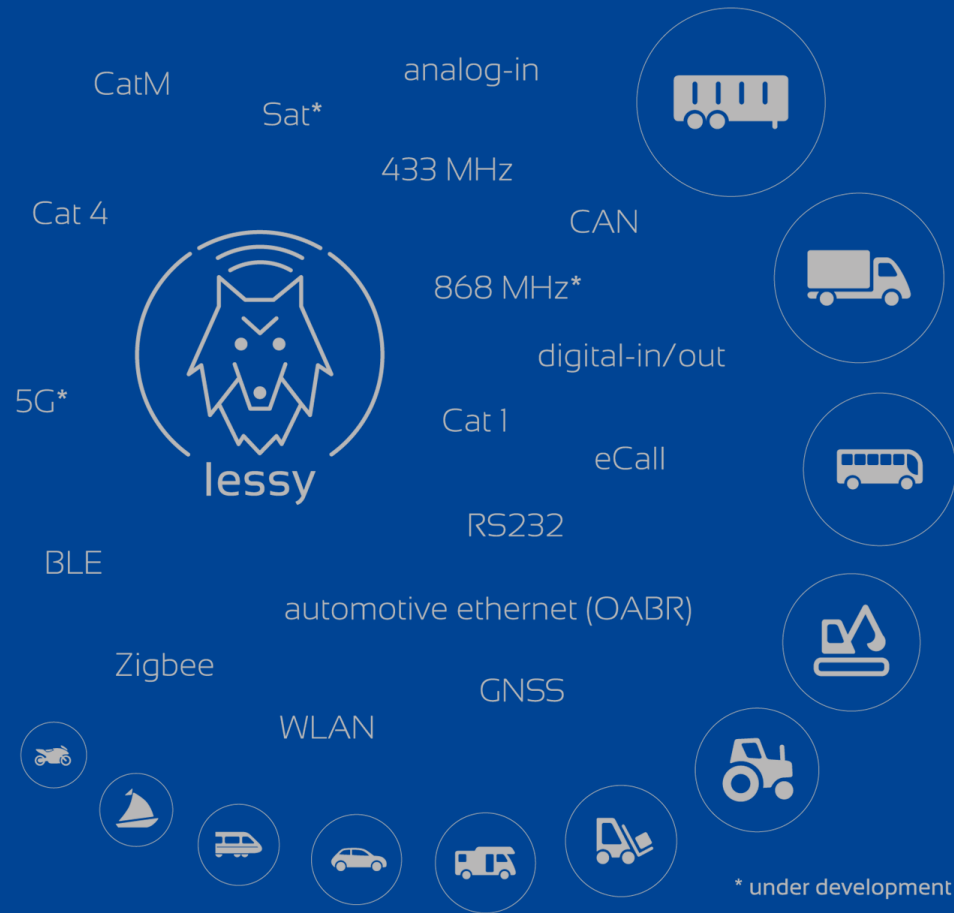
One telematics hardware platform covering applications from simple asset tracking to safety relevant data management tools.

#### **safe STAR**

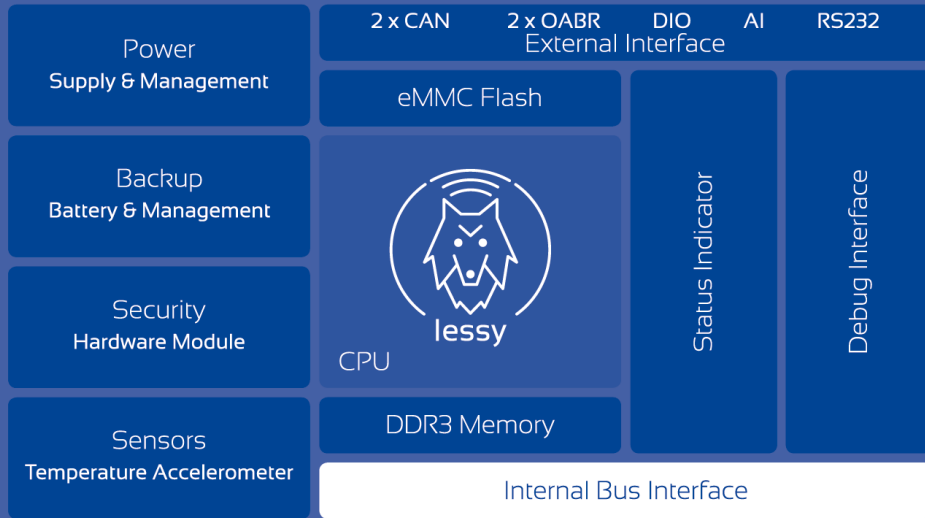
A patent-pending concept addressing the requirements of the EU Cyber Resilience Act.

# Wireless Automotive Connectivity Solutions

# lessy STAR

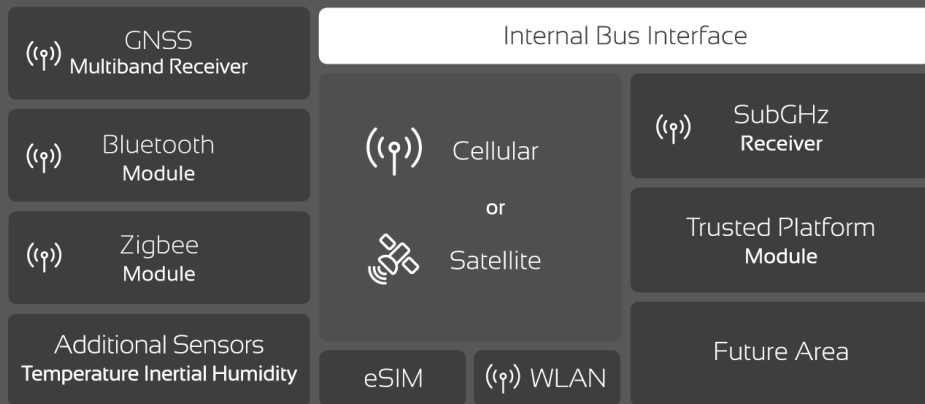


BASE



			Base
Processor	ST Telemaco 3P	dual ARM Cortex A7	✓
		ARM Cortex M3 MCU	✓
Memory	eMMC Flash	8GB	✓
	DDR3	4Gbit / 512MB	✓
Interfaces	CAN	highspeed CAN flexible data rate	2
	ethernet	100BASE-T1 (OABR)	2
	analog	IN	1
	digital	IN/OUT	2
	power	OUT	2
	RS232		optional
MIC IN		eCall	optional
	audio OUT	eCall	optional
Sensors	accelerometer	3-axis	✓
	temperature		✓
Power Supply	operating voltage	8V - 36V	✓
	current consumption	off: <80µA; on: 1.2mA @ 12V	✓
battery		up to 2.2 Ah (lithium-ion)	optional
Software	BSP	RTOS + Linux OS	✓

VARIO



		eCall	Trail	Loc	Your STAR
Cellular	LTE Cat1			✓	★
	LTE CatM		✓		★
	LTE Cat4	eCall	✓		★
Positioning	GNSS	single band	✓	✓	★
		dual band	optional	optional	optional
SIM	eSIM	✓	✓	✓	★
Short Range	SIM	card holder	optional	optional	optional
	Bluetooth	5.3 BLE; 2.4GHz	optional	optional	optional
Sensors	WLAN	2.4GHz / 5.0GHz		realisable	★
	Zigbee	SoC; 2.4GHz	optional	optional	optional
	433MHz	for TPMS	optional	optional	optional
Sensors	temperature		optional	optional	optional
	inertial	6-axis	optional	optional	optional
	humidity		optional	optional	optional