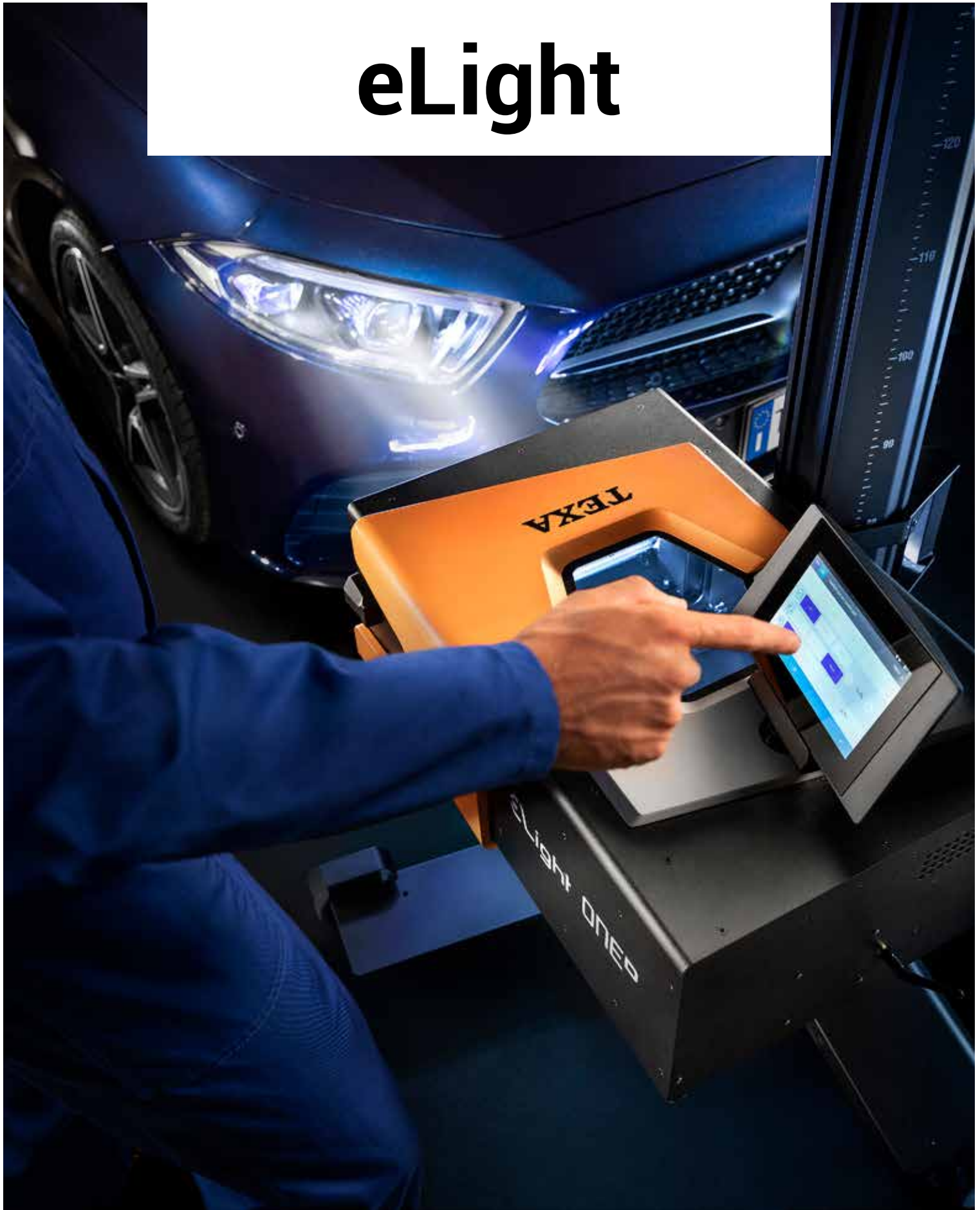


eLight



TEXA





TEXA eLight: anticipating change

For many years, vehicle headlights were relatively standard components. Recently, however, they have undergone rapid technological change and seen the introduction of halogen bulbs, xenon projectors and LED units. Laser technology is just around the corner. In their quest to improve safety, vehicle manufacturers are also focusing on the concept of **"Intelligent Lighting"**, as represented by **AFS** (Adaptive Front Lighting System) and GFHB (Glare Free High Beam). On top of this, **headlights are now frequently connected to** other electronic systems, including **radar, camera and steering**. Garages and PTI centres therefore need a modern headlight alignment system capable of working with the sophisticated technology that will soon appear.

eLight is the most **advanced headlight** alignment system on the market today, and the first **with integrated electronic diagnostics**.

eLight's digital electronics use a built-in camera, a system of algorithms and integrated autodiagnosics to identify the type of headlight and to guarantee maximum precision of alignment. eLight can even produce a detailed report, based on digital analysis, for attachment to the garage worksheet, and is already fully compatible with the legislation governing PTI centres due to be introduced in 2021.

Two versions, the same excellence

TEXA eLight comes in **two versions, ONE** and **ONE^P**. The differences between them concern the level of integration of the diagnostics, and are explained in the following pages. Both versions feature a **casing made from aluminium**, a material that combines the characteristics of precision machinability, strength and light weight essential to garage operations. They both also incorporate a powerful **lithium battery** that guarantees enough autonomy for the most intensive day's work. eLight has been carefully designed for superb ergonomics and to make all kinds of headlight alignment procedure quick and easy. The generous Fresnel lens (340x200 mm) is big enough to cater for the trend towards larger and more irregularly shaped headlights, as seen on the latest models.

Integrated diagnostics, capable of identifying the type of headlight and calling up the relevant selective activation procedures, allow you to **save up to 50% in the time** needed to complete alignment procedures compared to conventional alignment systems. Where applicable, the integrated diagnostics also help by switching control units to "setting" mode.

E-LIGHT comes with a **CMOS camera** and laser visor for maximum photometric precision according to the strictest specifications of vehicle manufacturers who can demand, for example, reading accuracy of +/- 0.1% in vertically and +/- 0.2% horizontally.

The system **can also be mounted on rails**, which are available as an accessory. eLight is made in Italy to TEXA's acclaimed standards of strength and quality.





An important extra: autodiagnosics

Version **ONE** of eLight is designed to work with the AXONE NEMO 2 or AXONE NEMO MINI diagnostic tool and a TEXA Navigator interface, and adds headlight alignment functionality for garages who already own these tools. You can use IDC5 software to extend the potential of your eLight and to dialogue with the control units of all the electronic systems connected to the headlights in order to identify errors, read parameters and change settings as necessary. In practice, eLight's integrated autodiagnostic functionalities are added to those of your existing TEXA diagnostic tool.

Version **ONE^D** differs in having its own **display** based on a bright **7 inch swivelling TFT touch screen**. This version can therefore serve as a stand alone tool, using its own built-in diagnostics.

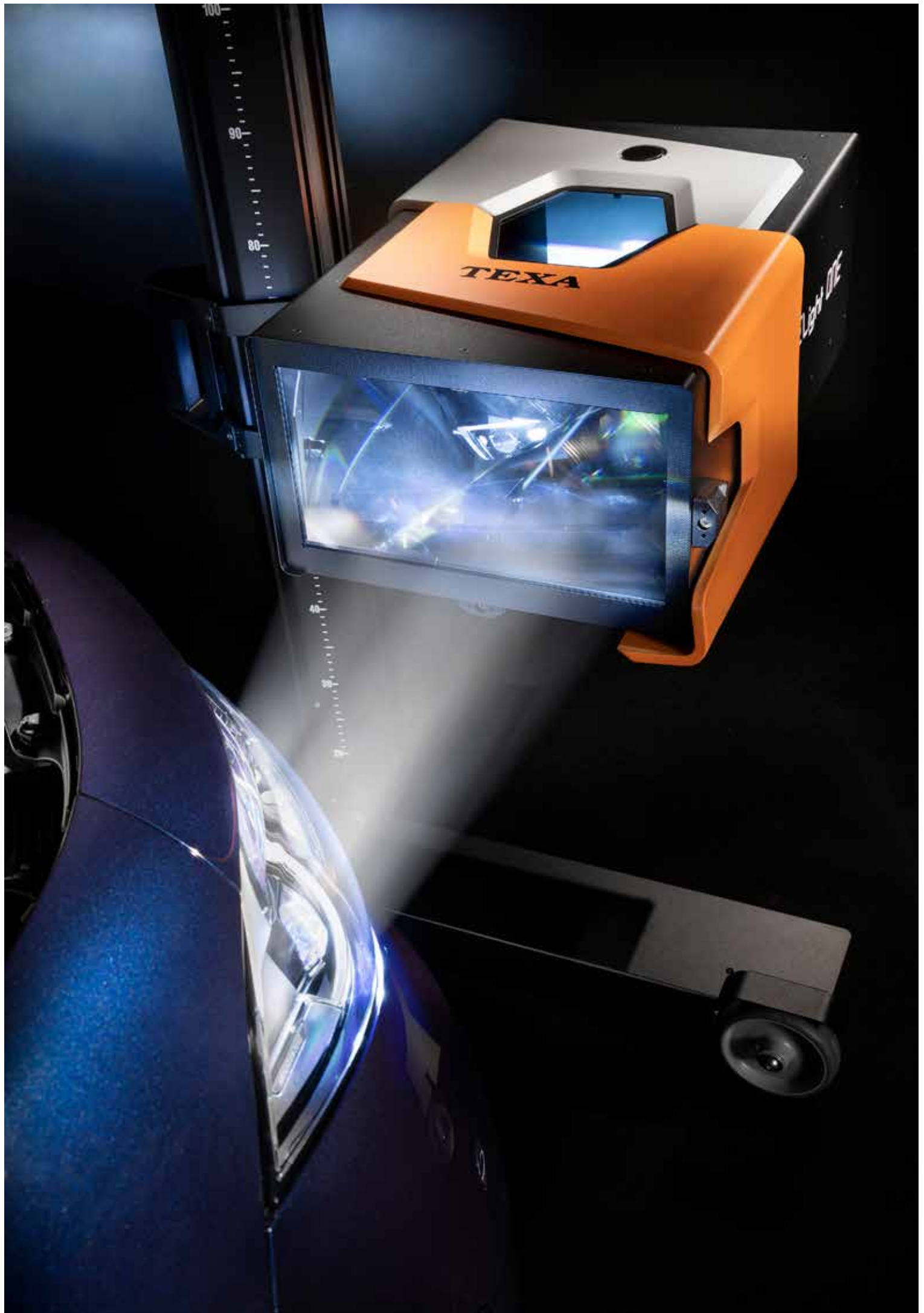
To extend functionality even further, however, ONE^D can also be connected to an existing TEXA diagnostic tool for use as part of an integrated system.

Technical specifications

Dimensions	770 x 730 x 1850 mm
Weight	52 Kg
Positioning and alignment	On wheels or on track (optional). Manual alignment through lasers
Floor level compensation system	3-axis accelerometer; $\pm 1,8^\circ$
Display*	7" TFT LED LCD 800 x 480
Printer (Optional)	Thermal printer; 58 mm; 203 Dpi
Measurable light sources	Halogen, Xenon, Led, Laser
Type of measurement (Reading and diagnosis)	Low beams, High beams, Fog lights, ILS, DLA, Matrix
Camera	5 Mpixel
Power supply	100-220V AC 50/60Hz 700 mA
Battery operating time	15 hours
Consumption	0.5 Ah
Alignment device	
Type	Laser
Class	II
Wavelength	635 nm
Power	≤ 5.0 mW
Tilt angle	
Measuring range	$\pm 6\%$ vertical; $\pm 10\%$ horizontal
Accuracy	$\pm 0.1\%$ vertical; $\pm 0.2\%$ horizontal
Luminous intensity	
Measuring range	150,000 cd - 240 Lux/25 m
Accuracy	$\pm 5\%$
Connectivity	LAN, Wi-Fi, RS232, Bluetooth

*Only ONE^D version





TEXA

Founded in Italy in 1992, TEXA is today a world leader in the design, industrialisation and production of multi-brand diagnostic tools, exhaust gas analysers, air conditioning charging stations and telediagnostic devices, for cars, bikes, trucks, boats, and agricultural vehicles. TEXA is present all over the world with a widespread net of distributors: it commercialises directly in Brazil, France, the UK, Germany, Japan, Spain, the US, Poland and Russia through its subsidiaries. TEXA currently employs more than 700 people around the world, including over 150 engineers and specialists working in Research and Development. Over the years, TEXA has received a large number of prizes and awards for innovation, in many countries worldwide. All TEXA tools are designed, engineered and built in Italy, using extremely modern automated production lines which guarantee maximum precision. TEXA is particularly committed to the quality of its products: it obtained the strictest certifications, such as the TISAX (Trusted Information Security Assessment Exchange), a standard defined by the VDA, the German Association of the Automotive Industry, which guarantees the highest level possible of information and know-how protection against increasingly frequent cyber-attacks. It joins other certifications, such as the IATF 16969, specific for first automotive suppliers; the VDA 6.3, another method by German manufacturers that established itself as an international point of reference; and the ISO/IEC 27001 in the information security field.

WARNING

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