DeskWall

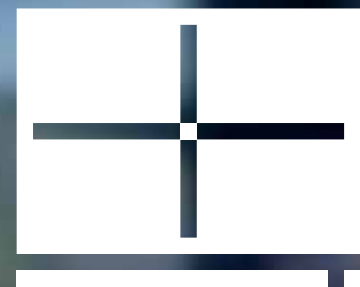**Fall Edition '23**

Gesab
guarantee for the future

DeskWall

The all-in-one display, control & management platform

Global interoperability and connectivity between different information sources, systems, applications and processes in a fluid, efficient and uninterrupted manner, regardless of the technology, type or origin.

Take [Ctrl]

Control and decision-making centres have changed radically in recent years, requiring more advanced tools than existing platforms. Operators need more dynamic, ergonomic, flexible and collaborative solutions that give them total control while also improving their comfort.

Our experience in operational positions has helped us to develop DeskWall, which has changed how operators work worldwide. A revolutionary solution that has forever transformed control centres.

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Limitless display

DeskWall turns the growing complexity of systems and the large amount of information into an intuitive experience. A global, personalized and flexible way to display multiple sources and keep everything under control, with a single keyboard and mouse.

Better, faster decisions and more efficiency in operator positions.

Full immersion

The combination of DeskWall with large, curved screens offers a unique viewing experience. Wider and more natural viewing angle thanks to the stable brightness, contrast and colours. Full immersion to achieve a state-of-the-art display.

New features and improvements
Fall edition '23

In this "Fall Edition '23", we have taken innovation to a new level, thanks to our Customer-Validated Development (CVD) approach. We listen carefully to our users, turning their suggestions and challenges into the foundation of our solutions. Each advancement and every new feature are the result of understanding and solving the real problems our customers face at their **operating positions.**

A colossus

The new DW7700 is a revolution in operational efficiency and performance in an ultra-compact design. Designed for the most demanding environments, the new DeskWall is the essence of 24/7 reliability, with extraordinary performance and guaranteed durability.

The DW7700 stands out for its simplicity and power, combining in a single device all the versatility needed to integrate perfectly with GESAB's solutions.

GESAB's products and solutions are designed to maximise energy savings and minimise our customers' carbon footprint.

New DW7700

- Intel® de 13.ª generation
- Quad Display up to 16Kh (4x4K)
- 32 or 64 GB RAM (DDR4))
- PCIe SSD drives
- 2.5 GbE Intel® dual LAN
- Heat-pipe cooling system

Maximum Integration

DeskWall takes another step as the leader in control centres. Our latest version redefines efficiency, combining information systems, applications, processes and sources in a single interface to offer a complete and detailed view of the operating position. With the new VoIP communication, remote printing (D11) and improved access to VDI, DeskWall provides future-proofing features and cements its status as the most advanced and reliable solution on the market.

DeskWall PulseCare

GESAB revolutionizes maintenance with PulseCare, a tool integrated into DeskWall that constantly monitors the health of your systems. This feature is part of the maintenance programmes and allows for continuous data export and real-time monitoring, giving you full control to customize graphics, dashboards and set up alerts in your systems, guaranteeing efficient and proactive management.
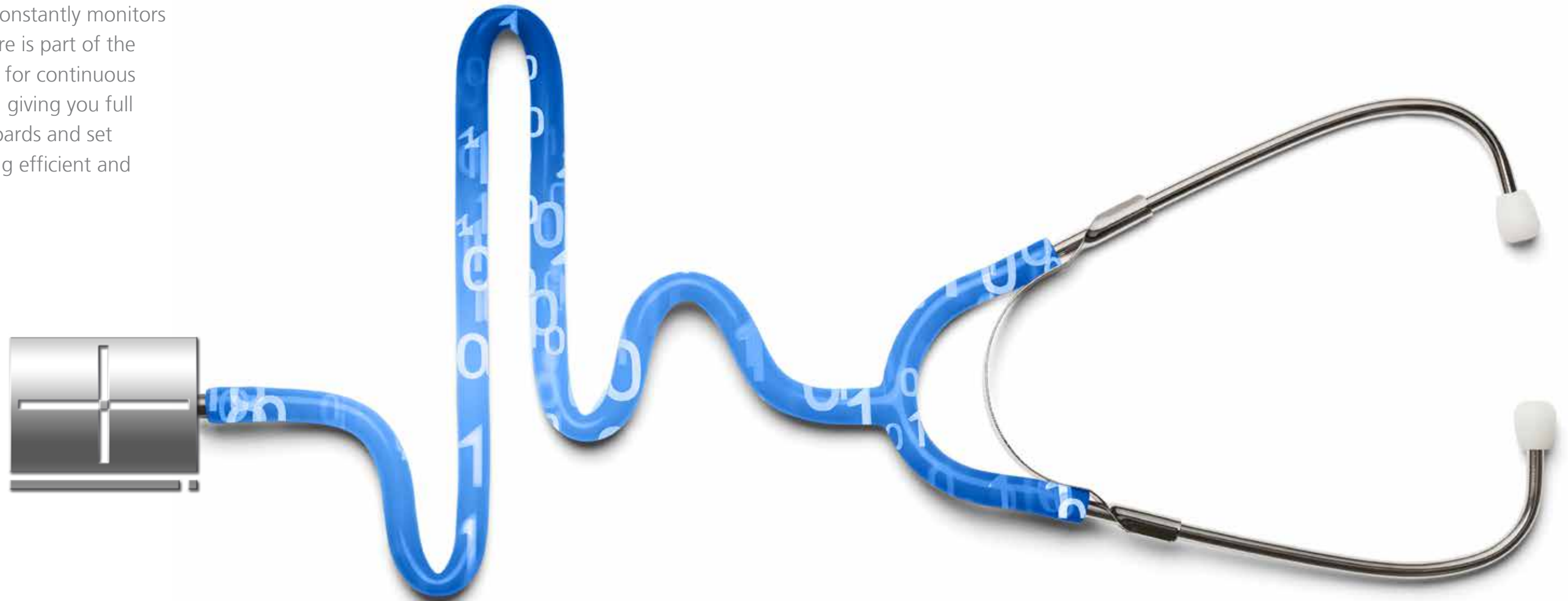
Highlights
Spring edition '23

OmniMouse

The universal mouse that has redefined the operators' control experience, which they can use to precisely control and manage any application, source, platform or operating system in real time and with zero latency.

MultiHead

The innovative Multihead system allows merging multiple video outputs into a single, fluid desktop. With MultiHead, users have absolute control over applications and content, without the need to switch windows.

Carrousel

Carrousel areas can be used to dynamically manage and display any source automatically on a rotating basis. It also provides the option to define the transition time, as well as to add, change or eliminate sources without limits.

Maximum flexibility

The ability to adapt to new requirements and environments is a key element when managing critical jobs. The ease and speed of shifting between operational functions are crucial to increasing operator productivity.

Canvas with up to 16K resolution

DeskWall offers the freedom and flexibility to generate a desktop with up to 16k horizontal or a combination of 8k, 4k, 2k and FullHD configurations, letting you create a personal canvas that is tailored to the specific needs of each operator.

Multi-source windows

Combine information from multiple sources and systems (OS) in a single space. Windows, MacOS, UNIX, Video IP, Streaming, WebServices, WebApps, VDI, Accesos Remotos, Encoders, or KVM IP. Feel the power to control any source with a single keyboard and mouse.

Templates and Personal Layouts

DeskWall offers the exclusive grid creation system known as GRIXEL "Grid Pixel by Pixel". The grids can be homogeneous or heterogeneous to fit perfectly with each operator's display, operational and ergonomic needs.

MIA

The MIA (Main Interactive Area) enables users to position and adjust any source to full size with a single click, so they can quickly and easily have the information available in their main area.

Virtual Desktop

Experience up to 32k resolution in an invisible, active dual desktop on the DeskWall screen. Instantly interact and switch between desktops. The desktops are independent, and the windows can be shared or reconfigured at any time by means of an intuitive drag & drop management interface.

Ergonomía visual

Enjoy a completely immersive visual experience with no distractions. DeskWall pairs perfectly with large, curved and ultra-panoramic displays, providing unique and exclusive visual ergonomics.

Multicanvas 2 monitors 43" canvas 4 k (8k horizontal)

Intuitive workflow

DeskWall provides all the tools the user needs for an easy, fast and intuitive workflow, offering an unbeatable experience.

Smart Mouse

The Smart Mouse option lets the user control the entire multi-canvas automatically when it is over the window.

Smart ToolBar

This technology lets each source have multiple active actions and personalized settings, providing a surprising boost to the workflow.

Preferences

With DeskWall, each operator can personalize and configure a wide range of features according to their preferences.

Multimedia

Multimedia controls for a 360 workflow. A sound and microphone system provides the operator all the tools needed for a 360° workflow, as well as various peripherals.

Follow-me

Automatic recovery of the last status of the multi-canvas, maintaining the configuration set by the operator and multiple customized layouts, regardless of the DeskWall unit used.

Scalability

Thanks to its modularity, the DeskWall system is completely scalable, with no limits of any kind. Extensions can be made in new sources, operational positions and user accounts, among others.

24x7

DeskWall is especially designed to work in critical environments with 24/7 operability. Its robustness allows the system to work continuously without requiring periodic restarts.

APITool

Connection, control and management are all in the DNA of DeskWall. APITool, the new GESAB tool that can be used to connect modules and applications in your control centre by automatically launching actions, events, alerts, and more.

DataWall

DataWall is a videowall processor natively integrated into DeskWall that enables both systems to share information with uniform operability. This integration facilitates managing the operational centres.

DeskWall Share

DeskWall Share lets users view and share information, and even to transfer control if necessary. A world of configurable possibilities for each customer.

Collaborative

Provides a way for departments to work collaboratively in a controlled manner, improving coordination and the transmission of information. Native chat and messaging services, and the option to integrate multiple external platforms.

Role Management

DeskWall Roleplay Management simplifies user management by enabling the creation of personalized profiles with functions and services suited to each operator according to their role or activity.

DeskWall Manager

DeskWall's configuration and administration module offers a powerful, easy-to-use and intuitive tool. It provides the administrator with the capacity to manage all the system's functionalities.

Collaborating

Working with and for people has always been an obsession at GESAB. Maximum ergonomics to optimize the operator's work. DeskWall offers efficiency, productivity and the power to control a large amount of information in the best way possible.
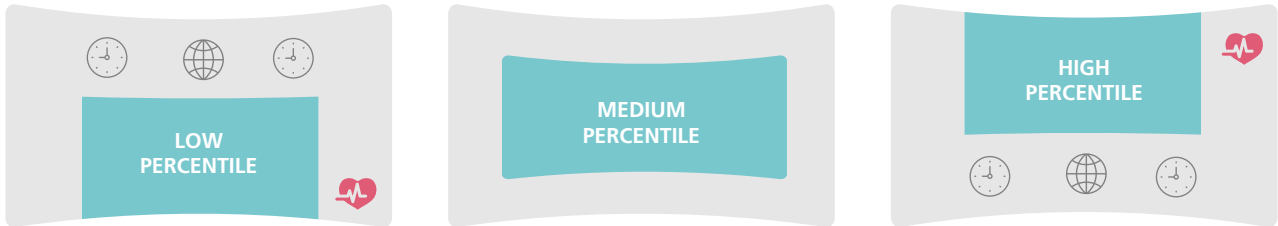
People at the heart of it all

Our passion is to drive technological progress while keeping people at the heart of it all. We focus on transforming the operational position through advanced, secure and customizable technology products and solutions, providing intuitive and fluid interaction with technology and ensuring the wellbeing of people. We care about vital aspects such as ergonomics, health and emotional balance.
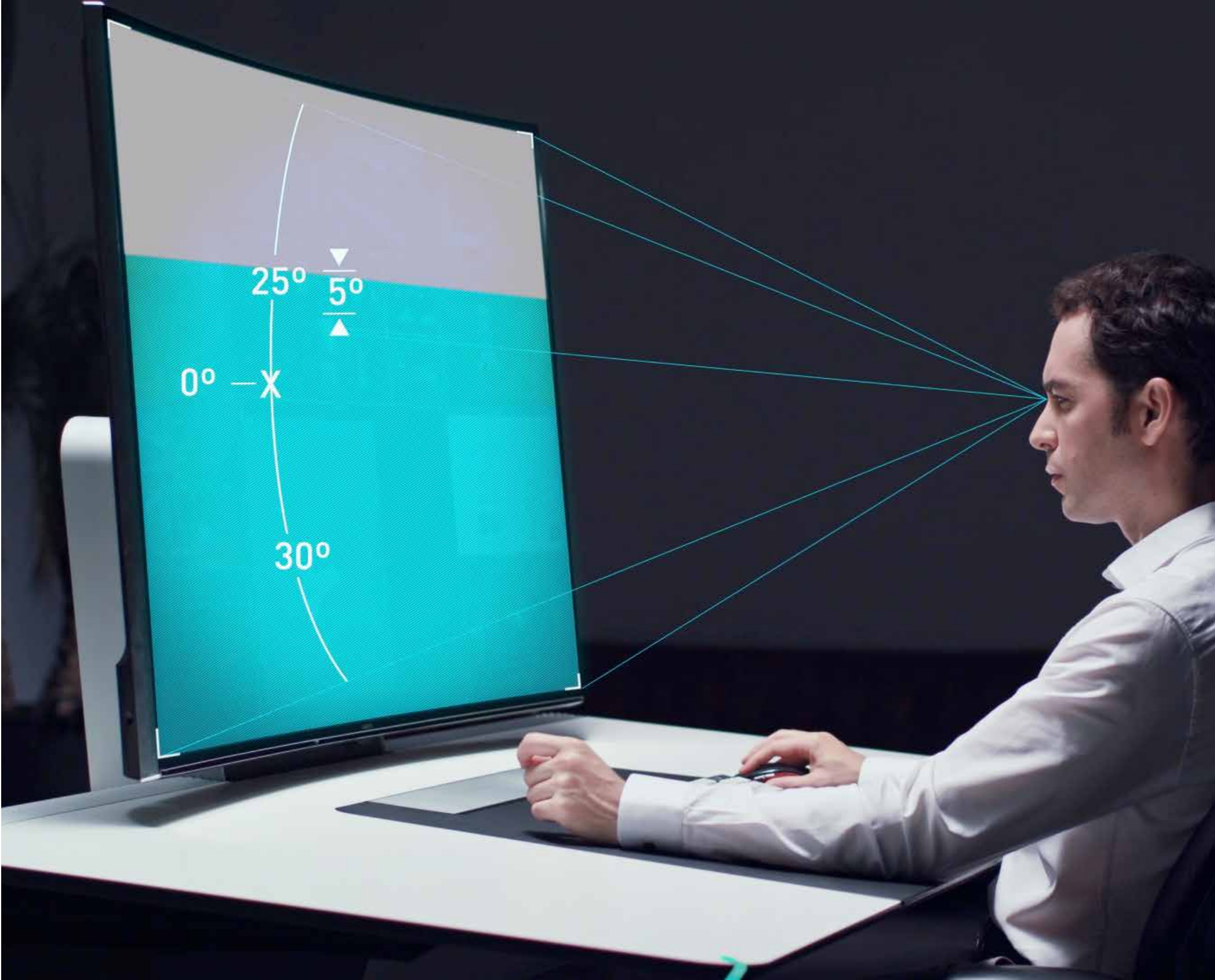
Visual ergonomics

GESAB has redefined the new standards of visual ergonomics in the operational position thanks to immersive canvases.DeskWall is the technology that best adapts to the human eye.

Jump into the middle of the action and enjoy a completely immersive and adaptable visual experience with no distractions.
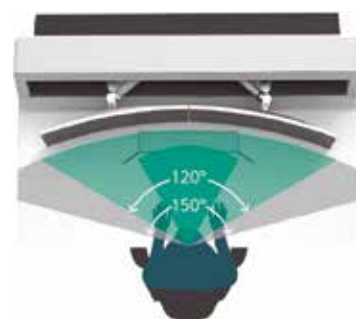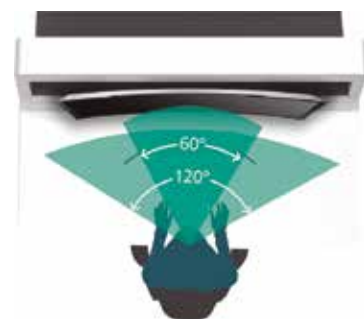

LOW PERCENTILE

MEDIUM PERCENTILE

HIGH PERCENTILE

● Main work area   ● Canvas

Digital visual ergonomics

28" - 34" Max

50-60 cm

60°
120°

120°
150°

120°
150°

120°
60°

28" - 39" Max

28" - 39" Max

50-60 cm
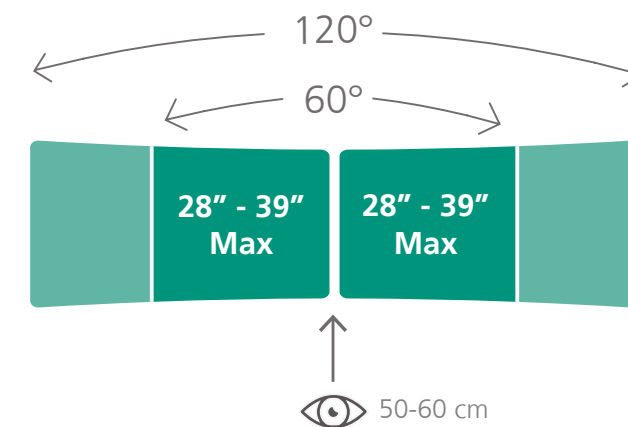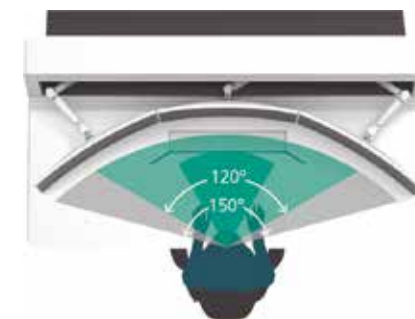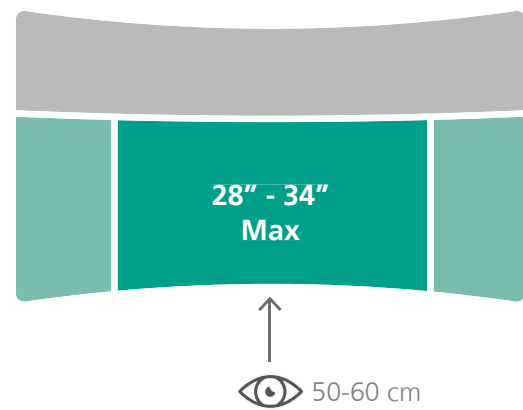
● Primary area   ● Personal zone   ● Adjacent area

Optimal viewing area
Natural line of sight sitting

Optimal viewing area
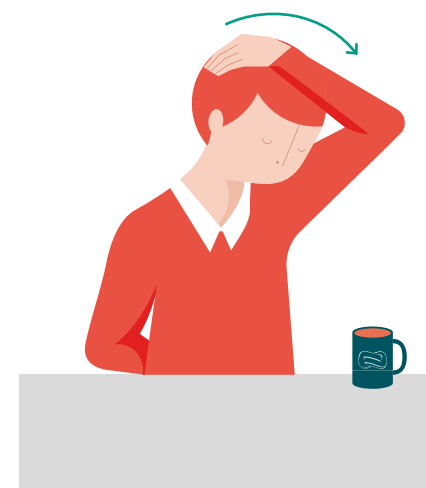Natural line of vision sitting

Viewing angle

Normal
60°

Optima

30°

90°
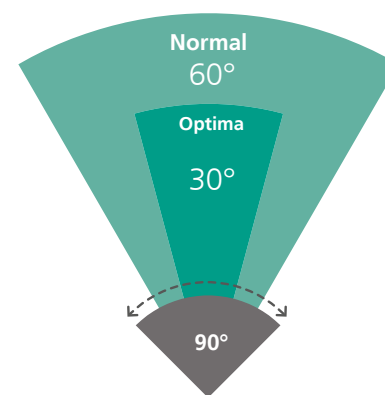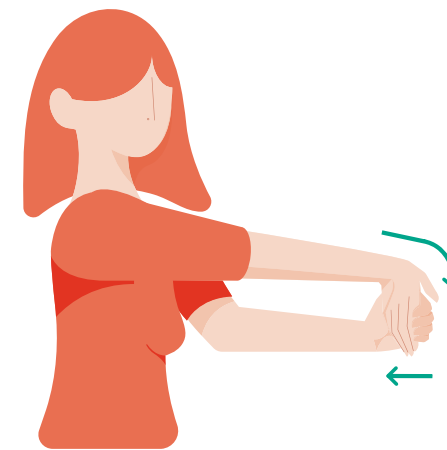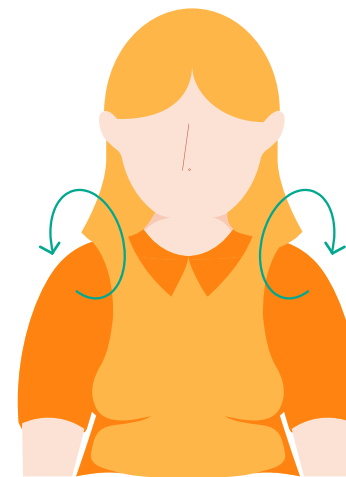
Health

The DeskWall system incorporates the GESAB Health & Care smart widget, a tool that helps to improve the operator's health at their workplace and in critical environments, as well as to prevent possible injuries and to maintain adequate physical activity.

*Request the GESAB Care guide from: info@gesab.com

UX Ready

At GESAB, we are proud to work and collaborate with SPECIALISTERNE, a company specializing in multidimensional performance, stress and usability matrix tests, but more importantly a social organization incorporated in Denmark in 2004, with current direct or indirect representation in 25 countries, and engaged in the labour inclusion of people with autism and other diagnoses within neurodiversity.

SPECIALISTERNE has certified the usability protocols in the following sections: intuitive design, ease of use, handling agility, customization capacity and user settings.

The DeskWall platform has also been subject to test protocols with over 12,000 variables and a total of 144,000 validations, guaranteeing the platform's reliability and robustness and obtaining the corresponding certificates.

Support and Services

Since 2005, GESAB has stood out as a leader in implementing KVM in control centres, building a solid reputation that is backed by our customers. We understand very well the challenges of each project, both current and future, and we pride ourselves on guiding our customers through each phase, ensuring that each operator enjoys an improved experience that enhances their productivity. Our commitment is to offer customized solutions that guarantee the success and positive transformation of our customers' work environment.
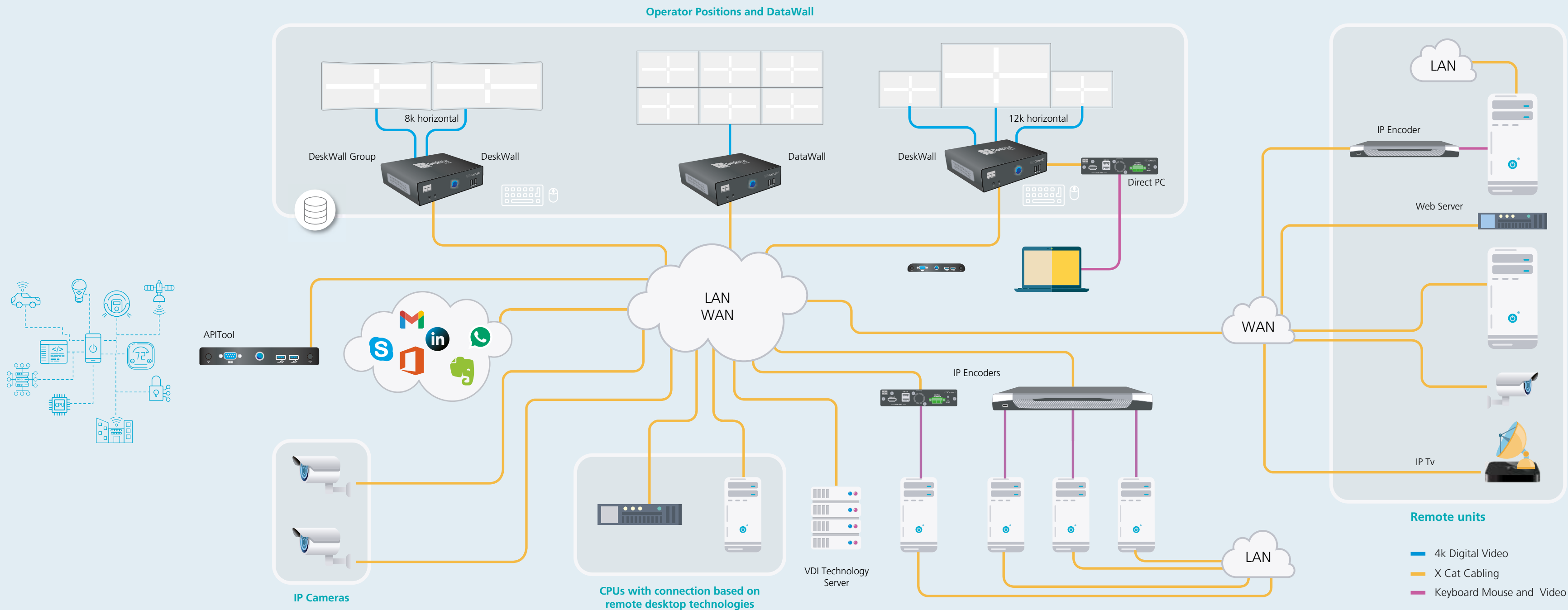
ON
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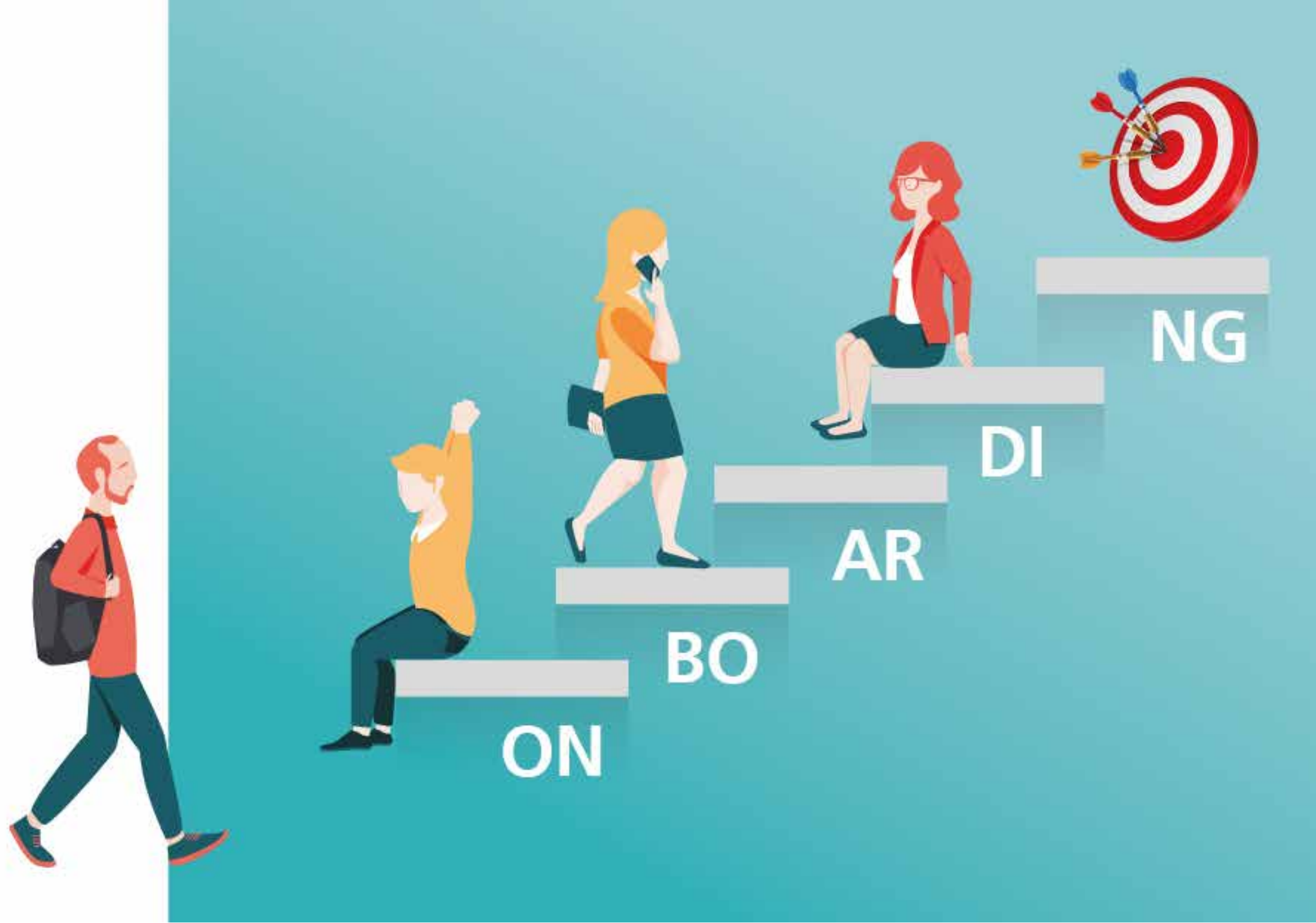
The Power to Control

DeskWall simplifies, optimizes and protects operational positions, offering a non-intrusive, scalable solution tailored to each customer. With a solid architecture, amazing versatility and undeniable security, it is the ultimate platform for high-availability operating environments.

DeskWall Architecture

Operator Positions and DataWall

8k horizontal

12k horizontal

DeskWall Group

DeskWall

DataWall

DeskWall

Direct PC

LAN
WAN

APITool

IP Encoders

IP Cameras

CPUs with connection based on
remote desktop technologies

VDI Technology
Server

WAN

LAN

IP Encoder

Web Server

IP Tv

Remote units

LAN

Remote units

4k Digital Video

X Cat Cabling

Keyboard Mouse and Video

Universal Control

Encoder Pro:
- Monocanal
- Multicanal
- MultiHead

Web Browser:
- Chrome kiosco
- Web URL

Remote Control:
- RDP
- VNC & REAL VNC
- NX

VDI:
- Citrix
- Horizon View
- Hyper-V by RDP
- RDweb 🍁 NEW

Vídeo:
- RTSP, RTP, UDP

Fuentes locales:
- Video media 🍁 NEW

Replicated databases

All databases are automatically replicated in each DeskWall unit, always guaranteeing the continuity of the system and allowing for hot swaps.

DeskWall Manager

The configuration and administration module offers a powerful, intuitive and easy-to-use tool for the administrator to manage all system functions in a reliable and redundant environment.

Access redundancy

DeskWall provides redundancy in the credentials system, enabling local authentication with users, groups and permissions and full integration with active directory domains (LDAP).
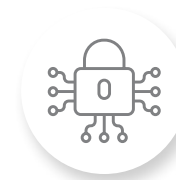
Security

GESAB has implemented all the measures required to guarantee security, from the system's physical units to the firmware, including its management.

In keeping with the "Black-Box" concept, as a closed system, DeskWall provides the mechanisms required to comply with the most stringent security policies.

SECURITY AND STRATEGY

SAFETY CERTIFICATE

smart hc
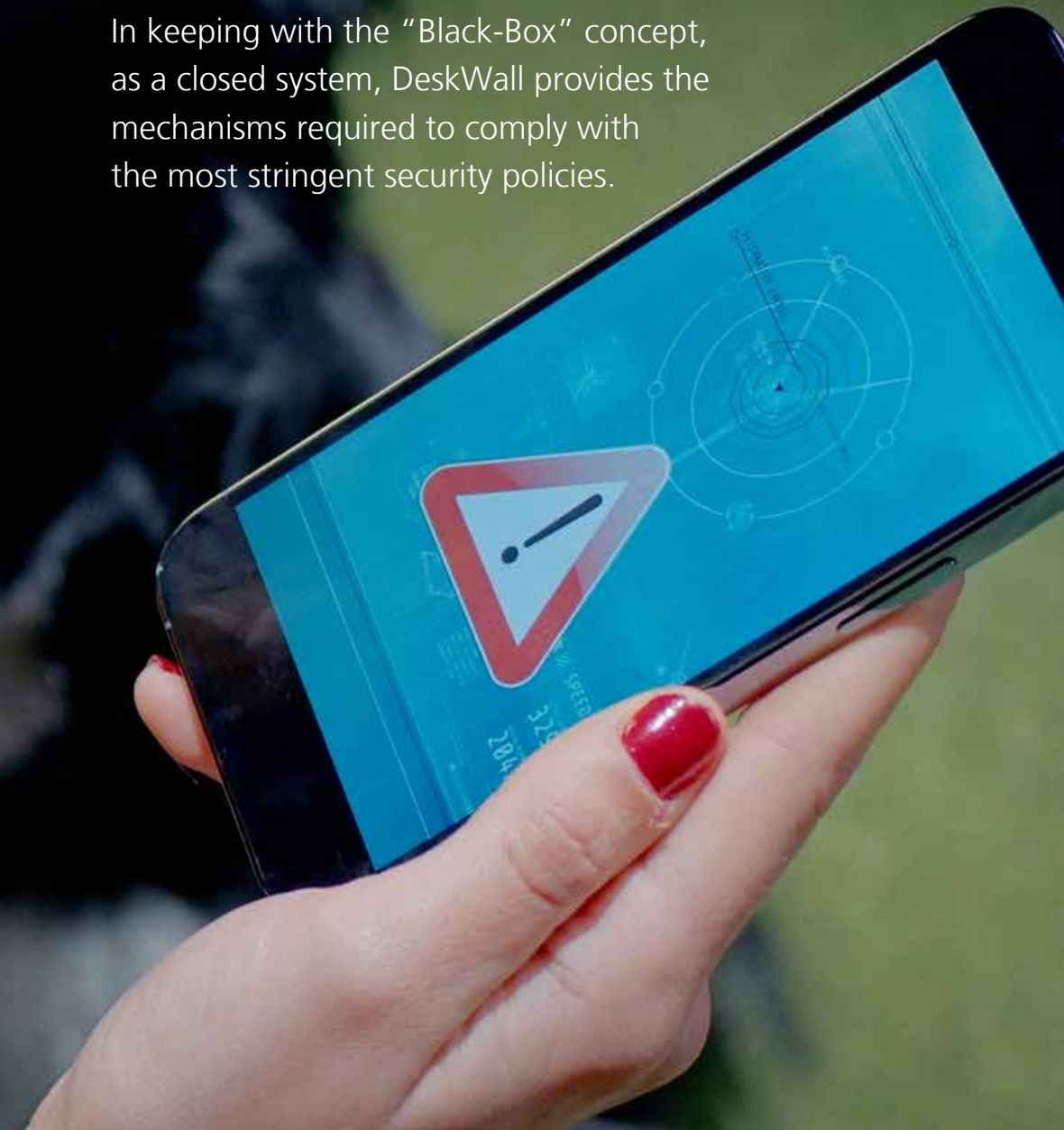
Cybersec

DeskWall has been designed under the highest security standards, combining the best practices in cybersecurity and our partners' recognized experience, to offer comprehensive and secure solutions for critical and sensitive environments.

Cybersecurity

All communications between DeskWall and Encoder units are carried out using 128- and 256-bit AES encryption, with military-grade security. This guarantees that the information is protected against any possible attack or attempted intrusion.

AES (Advanced Encryption Standard) is a cryptographic algorithm approved by the US government and recommended by the National Institute of Standards and Technology (NIST in FIPS 197).

Pro encoders

- TLS Security
- IPv4 and IPv6 networks
- Local authentication with users, groups and permissions
- SSL certificate loading
- AES encrypted video, control and AV transmissions
- Minimum and efficient bandwidth
- Access and control at the BIOS level
- HTML and DeskWall federated remote access

Technical characteristics

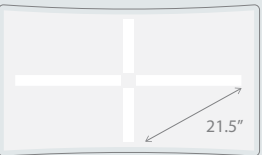| DeskWall Series		DW7700	Encoder DWRT101
Dimensions	An x Alt x Prof (mm)	190 x 43 x 165	140 x 30 x 144
	An x Alt x Prof (inches)	7.67 x 1.69 x 6.49	5.51 x 1.18 x 5.67
Volume (litres)		1.35 L	0.6 L
Weight (kg/ pounds)		1.3 kg / 2.86 lbs (N.W.)	0.65 kg / 1.42 lbs (N.W.)

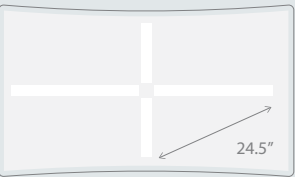Certifications: CE, UL, FCC, BSMI, ErP, CNUS, RoHS, EMC, LVD, ITE.

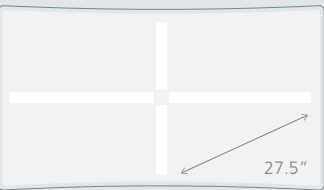## Canvases and configurations

Immersive canvas (4k)

43"

21.5"

49"

24.5"

55"

27.5"

65"

32.5"

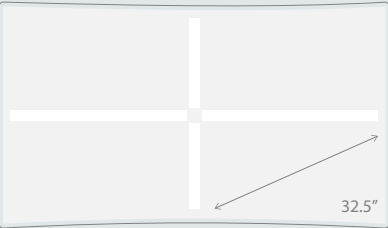### Immersive multicanvas
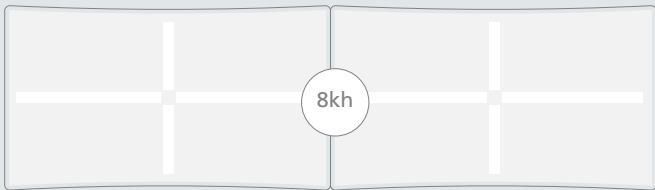
2 x 21"– 34"

3 x 21"– 34"

12kh

2 x 43"– 55"

8kh

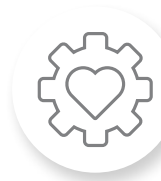### Other configurations

16 kh

Mixed configurations

Key benefits of DeskWall

DeskWall provides a large number of corporate, operational and personnel benefits, increasing the operator's efficiency and the company's profitability in the short term.

Corporate

- Optimized operating costs
- Maximum efficiency of office space
- An innovative, healthy and technologically advanced environment
- Superior corporate aesthetics and design
- Talent enhancer

Operational

- Increased productivity
- Greater profitability and efficiency
- Promotes collaboration and participation
- More accurate and effective decisions
- Reduced risk of occupational pathologies

Personnel

- Visual and ergonomic comfort
- More efficiency and flexibility
- Better adaptation to changes
- Less work-related stress
- Promotes a healthy way of life
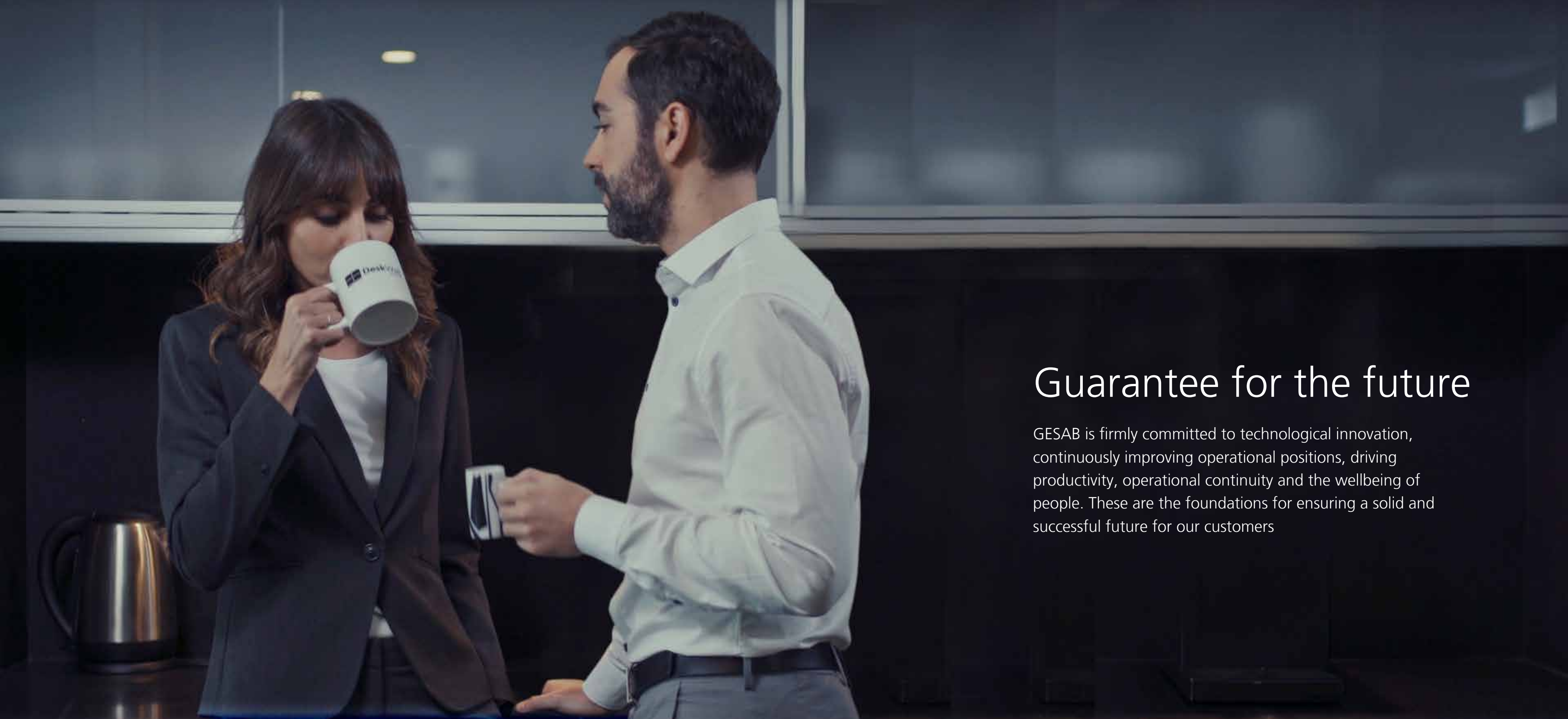
Guarantee for the future

GESAB is firmly committed to technological innovation, continuously improving operational positions, driving productivity, operational continuity and the wellbeing of people. These are the foundations for ensuring a solid and successful future for our customers

Tech GESAB

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