HLS
Headlight Solutions

About Us

2023

About
Headlight Solutions

HLS® is an R&D company with extensive experience in producing **custom software and hardware** based on the customer`s needs.

Headlight Solutions (HLS) has been founded in 2013. In 2020 the company registered a turnover of over 12 million euros, from projects that include complex software solutions and custom-made hardware.

In September 2021, HLS brings onboard Visual Fan, the company that owns the brand Allview which now holds 12% of HLS.

The company has evolved constantly over time, developing a solid customer base mainly in terms of the fact that it can provide complete solutions: hardware, software and consulting.

The main goal is to produce a high quality product with efficiency costs. HLS's clients come from different type of markets, such as public administration (for the smart city niche), banking, utility providers and so on.

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About Us
Hardware & Software

Among **the main projects** of the company, we mention:

- ⊘ **Self-Service Solutions** (All-in-One Solution) already successfully implemented in companies from the field of utilities (gas and electricity), public institutions and retail.

- ⊘ **Customized and adapted computer systems** according to customer requirements, which integrate the highest levels of security.

- ⊘ **Conference solutions** used for top level meetings or top-level locations like government or boardrooms.

- ⊘ **Technology Operation Centre** solutions that can integrate platforms, sensors or hardware in general implemented in NOC, SOC, BMS, Smart City with the added value of integrating all solutions under a single platform.

- ⊘ **Research and development** activity (R&D), with industrial design, prototyping and production capabilities, which involves the provision of complete software and hardware solutions.

- ⊘ **Custom software development** using main available technologies.

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About Us
AI/ML Services

Among various **AI** and **ML** services, we mention:

- ⊘ **Intelligent Chatbot Solutions for Personalized Conversations**. Our advanced AI technology creates personalized conversational chat robots, enabling engaging and tailored interactions for enhanced user experiences;

- ⊘ **Data-Driven NLP Training** Services for Open Source and Commercial Solutions. Our expert team specializes in training open source and commercial NLP models with diverse datasets, empowering businesses with powerful natural language processing capabilities;

- ⊘ **Voice Training** and **Integration Services** for NLP Systems. Our cutting-edge voice-to-text and text-to-voice technology enables us to train voices and seamlessly integrate them with NLP systems, enhancing natural language processing capabilities for a seamless user experience;

- ⊘ **Intuitive Chatbot Interaction Devices** for Seamless User Engagement. Our innovative hardware solutions provide effortless user interaction with chatbots, allowing for intuitive and convenient engagement without relying on traditional voice assistants.

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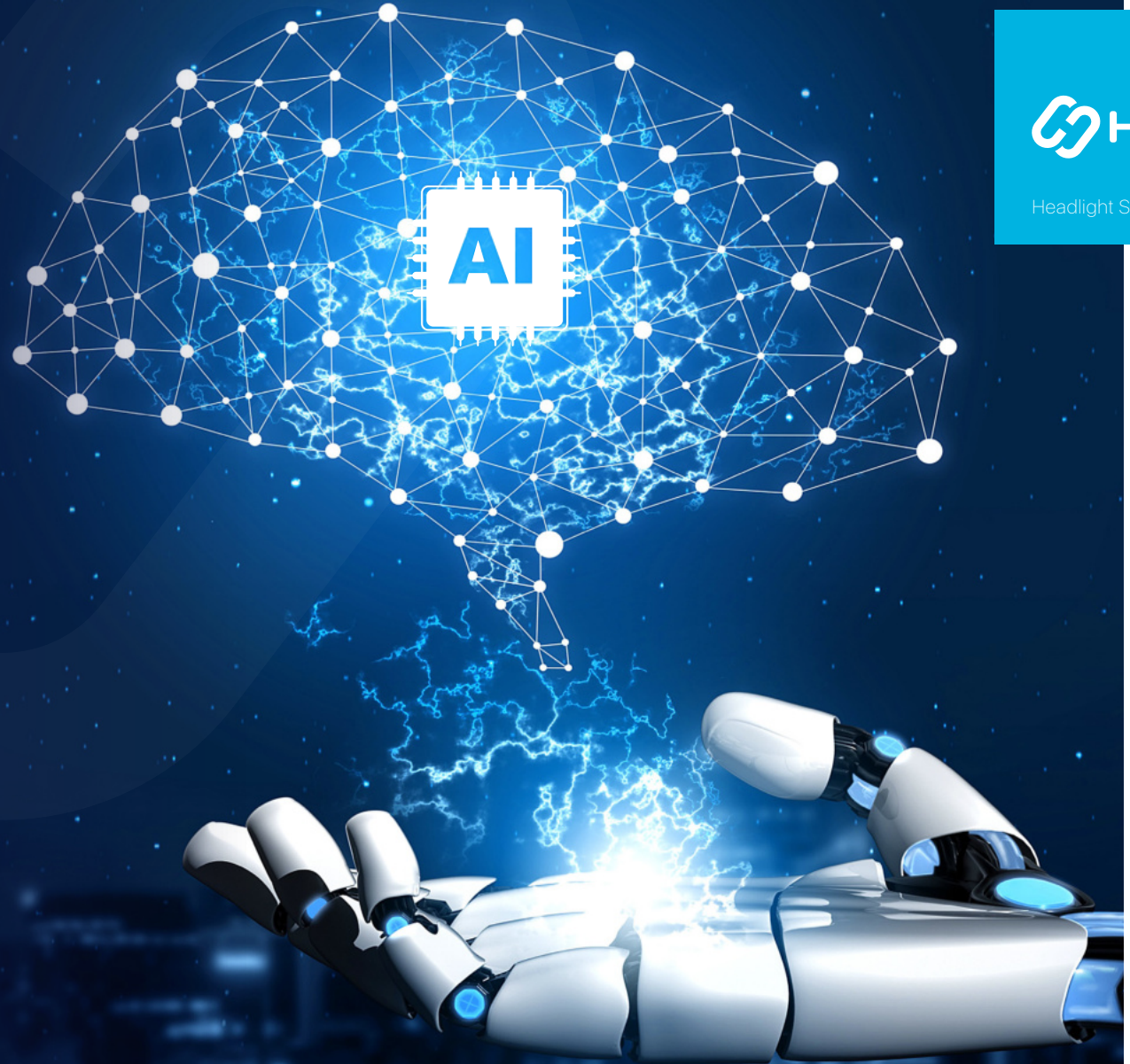
Headlight Solutions

About Headlight Solutions

About Us
Hardware & Software

Complete **Custom Hardware & Software** Solutions

About Us
Main Clients

HLS's major clients include multilateral and bilateral institutions, governments, international organizations, and utilities across the globe.

- ⊘ **Orange** – Digital Sales Solution (hardware and custom software)
- ⊘ **Engie** – Self Service Solution (custom hardware and software including custom developed OCR functionality with data prefill in workflow)
- ⊘ **Electrica Furnizare** – Self Service Solution (custom hardware and software including custom developed OCR functionality with data prefill in workflow)
- ⊘ **ANRE** – Digital Dashboard for management (custom software including data scrapping and actions based on values versus rules)
- ⊘ **ADNOC** – Custom GIS solution (custom software)
- ⊘ **Microsoft** – Retail solution using cognitive services APIs (custom software including AI)
- ⊘ **Mastercard** – Digital Retail Solution (custom hardware and software)
- ⊘ **Mars** – Digital Activation (custom software)
- ⊘ **Pepsi** – Digital Retail solution (custom hardware and software)
- ⊘ **AJCCC** – Complete Digital School Solution in Dubai, UAE (custom hardware and software)
- ⊘ **Kuwait Finance House** – Digitalizing Banking (custom hardware and software)

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Main Products
ST43 SLIM

Thin outside
Powerful inside

We strive for nothing short of excellence, and the ST 43 SLIM is the embodiment of this principle. The product is uniquely responsive while looking slim and ergonomic.

It is an All-In-One system integrating a multi-touch 43" UHD display with a powerful computer, capable of delivering high performance and speed at a constant rate.
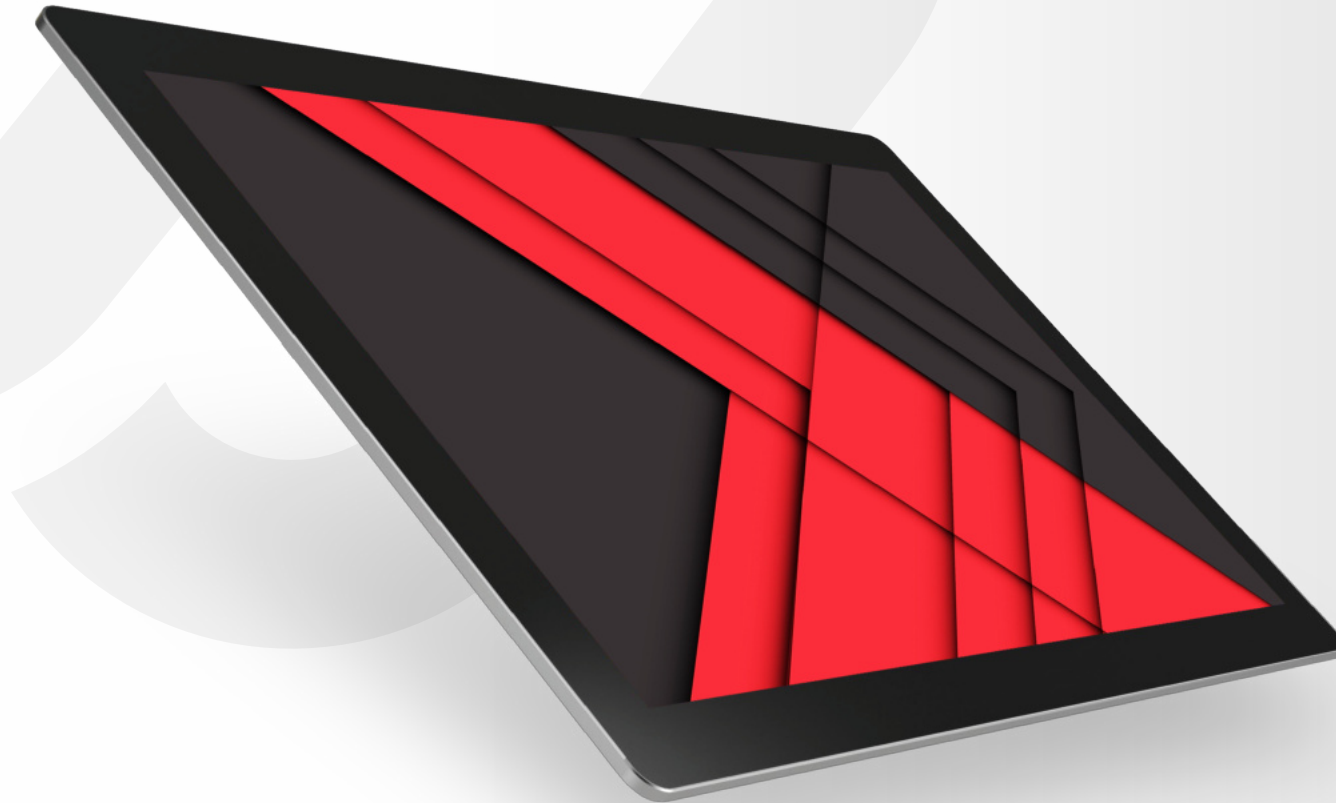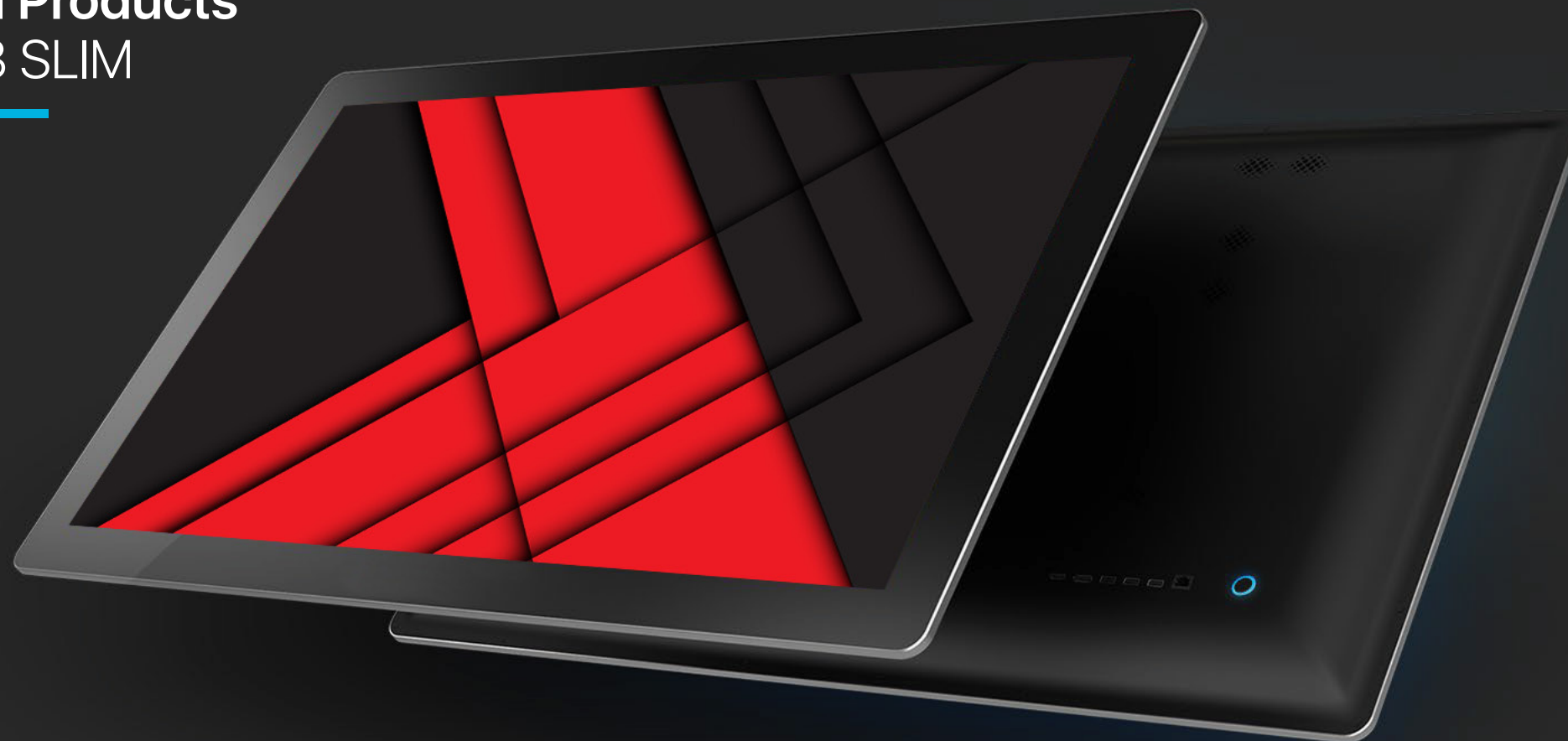

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t Headlight Solutions

Main Products
ST43 SLIM

About Headlight Solutions

We've dreamed of an ergonomic product, highly responsive and very fast, stable and capable of performing flawlessly over time.
In order to create it, we had to research and develop the components ourselves.

	Ultra Slim	Gorilla® Glass	Resolution	Touch Inputs	Processor	Video Card
nsions 44	1.96 inch	1.9 mm	3840×2160 px	Up to 50 points	Intel® Core™ i7-7700K	NVIDIA® GeForce® GTX 1060
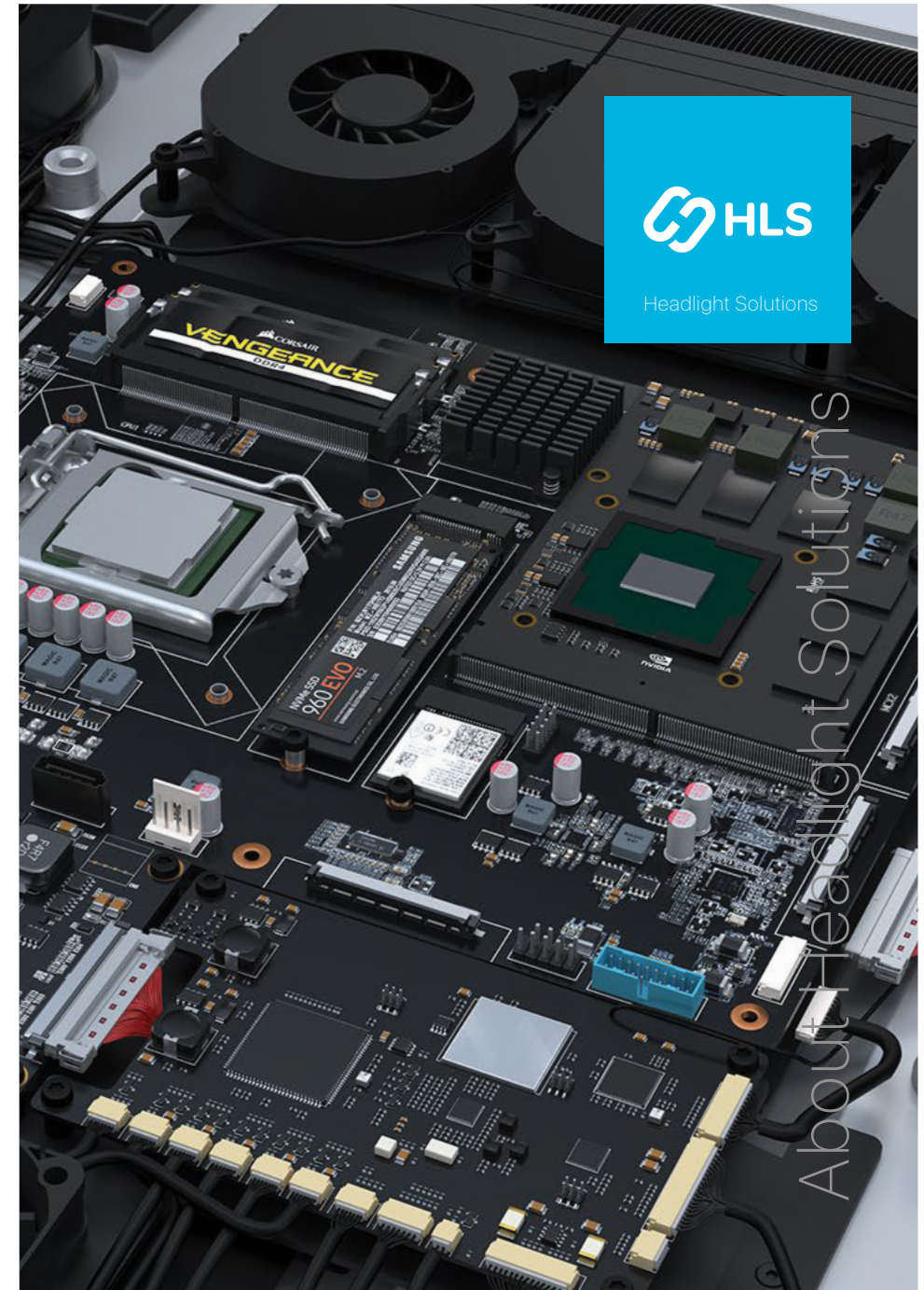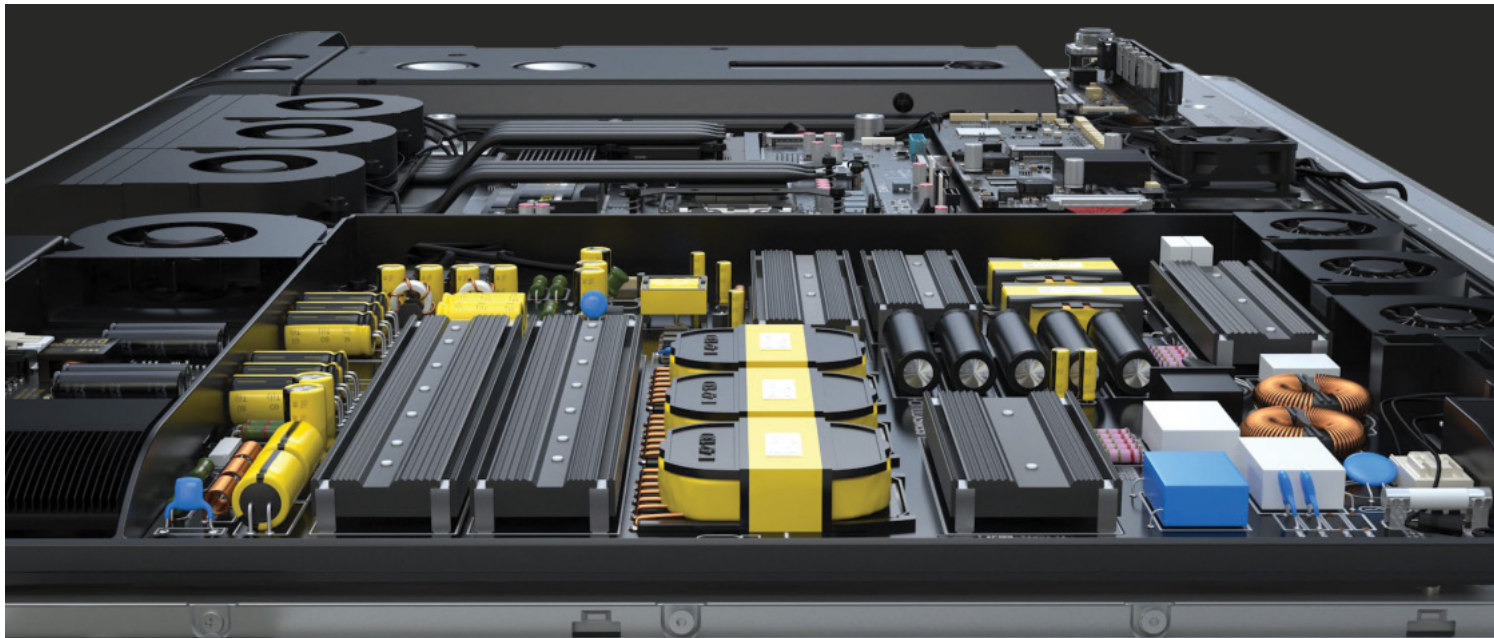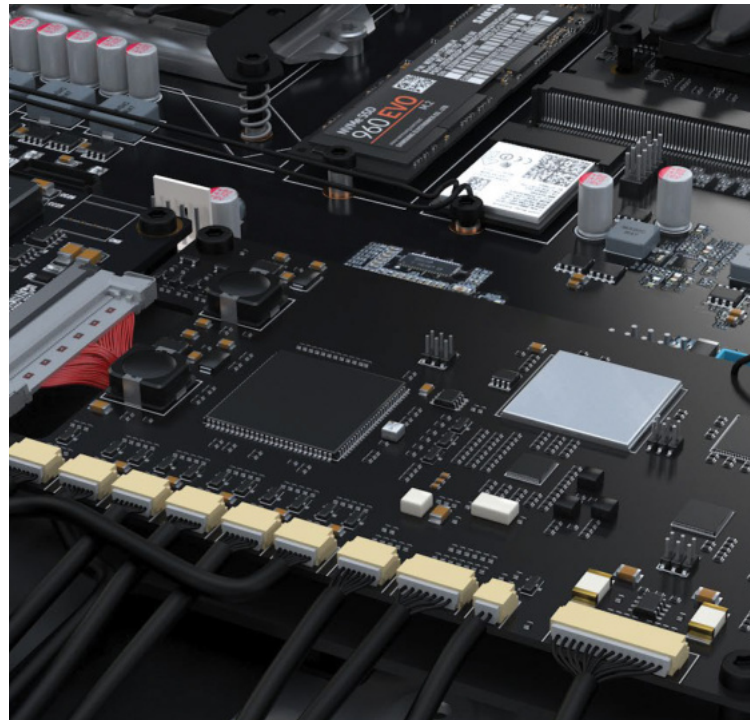
4K

CORNING Gorilla® Glass

Windows 10

Main Products
ST43 SLIM

Main Products
Conference Solutions

HLS
Headlight Solutions

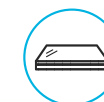## All-in-one multitouch units
modular design, easy assembling

Display size
32 inch

Touch Inputs
Up to 10 points

Resolution
3840×2160px

Touch Display
Direct Bonding

Aluminum Body
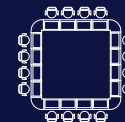**Light & Strong**

Main Products
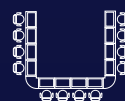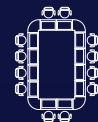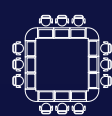## Conference Solutions

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up to 40 linked desks

Design a collaborative, creative and effective conference room

Main Products
Conference Solutions

Innovative solution for conference digitization that offers a unique user experience

The system benefits from a real-time translation module with localized translators, is modular and accommodates a maximum of 40 participants. It can be easily reconfigured and is suitable for installation in various spaces. Regardless of your choice, the modules behave as a whole.

The software allows both data and conference management as a whole.
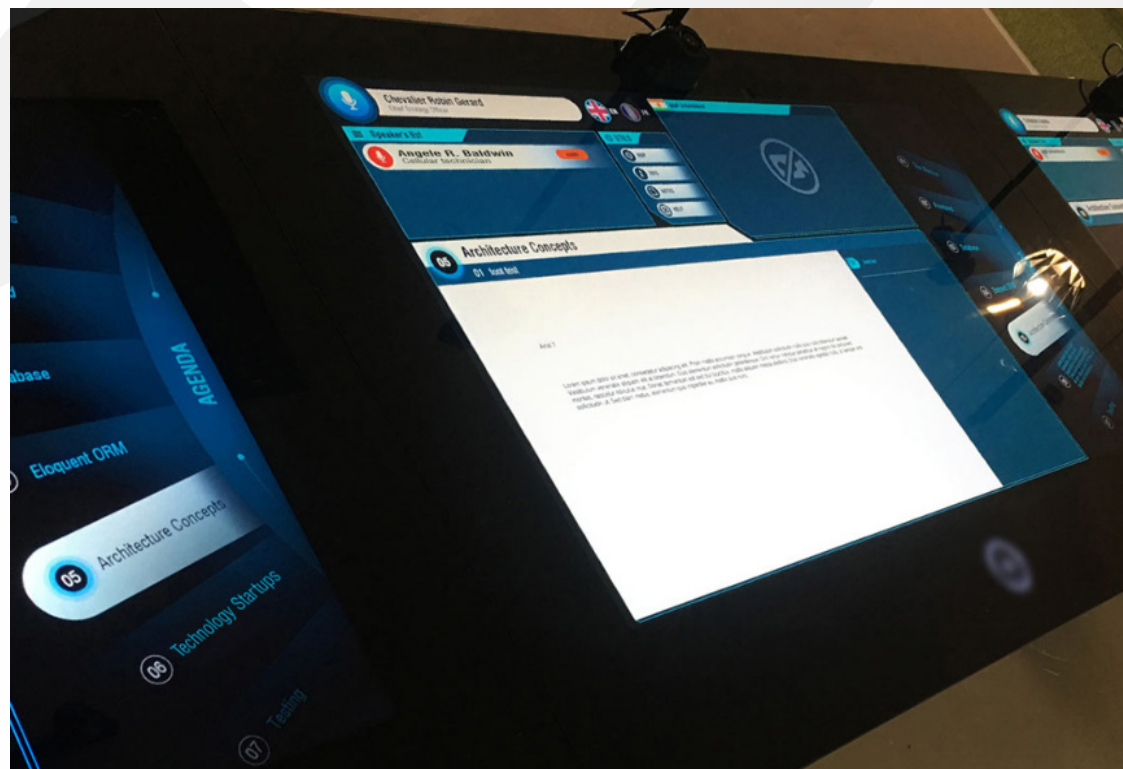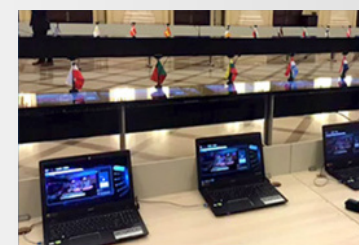
Main Products
All-in-One Multi-touch 43" Desk

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Main Products
Self Service

All-in-One
Self-Service Terminal

If you want to impress your customers we are able to custom tailor a solution for you as our hardware works best with our software.

Software can be built based on your requirements and we are able to provide integrations if needed.

We provide APIs to control the self care terminal and all it's peripheral devices.
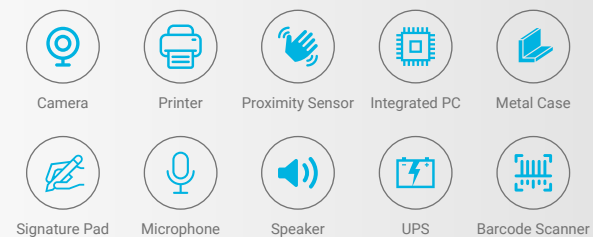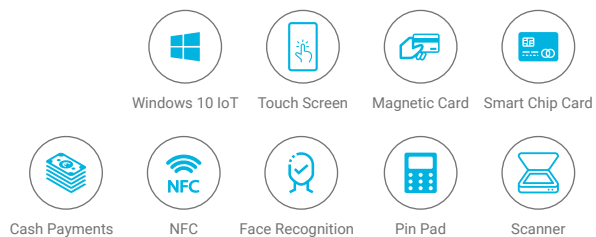
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Windows 10 IoT   Touch Screen   Magnetic Card   Smart Chip Card

Cash Payments   NFC   Face Recognition   Pin Pad   Scanner

Camera   Printer   Proximity Sensor   Integrated PC   Metal Case

Signature Pad   Microphone   Speaker   UPS   Barcode Scanner

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About Headlight Solutions

Offensive
Security

Professional Penetration Testing Services

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HLS OFFENSIVE SECURITY

Penetration testing is an approach to security testing that layers human expertise on top of professional penetration testing software and tools. Pentesting software is great at discovering problems with standard vulnerability classes but is unable to detect certain design flaws.

A manual pentest performed by a skilled pentesters is required to provide complete coverage including design, business logic and compound flaw risks that can only be detected through manual (human) testing.

HLS Manual Penetration Testing (MPT) involves one or more HLS penetration testers who perform tests and simulate real-life attacks. The goal of MPT is to determine the potential for an attacker to successfully access and perform a variety of malicious activities by exploiting vulnerabilities, either previously known or unknown, in the software.

HLS Manual Penetration Testing (MPT) extends beyond identifying and documenting discrete vulnerabilities.

The purpose of these assessments is more situational, creating scenarios to investigate whether multiple lower-risk flaws can be compounded into a larger attack scenario.

This testing provides a better understanding of whether identified flaws affect the confidentiality, integrity, or availability (CIA) of the application.

For example, a manual tester can use a combination of tools, techniques, and custom approaches to determine whether it is possible for an attacker to:

- Circumvent authentication and authorization mechanisms
- Escalate application user privileges
- Hijack accounts belonging to other users
- Violate access controls placed by the site administrator
- Cause the unauthorized access of data
- Alter data presentation
- Circumvent application business logic
- Circumvent application session management
- Break or analyze use of cryptography within user accessible components

HLS asks organizations to complete a questionnaire to define the scope of manual penetration testing. The defined scope enables the HLS team to determine the service offerings that most effectively suit the needs of the assessment while maximizing test coverage.

HLS

Effortless Control Instant Response

Vigilant is the unified platform that integrates all the IT intelligence you have in place. It accommodates easily any new system you decide to set up.

This provider of a holistic view on your entire tech environment covers a wide range of technologies, from security and fire detectors to asset tracking and intelligent road management.

Vigilant allows you to:

- Visualize information from all the data sources in your unified model.
- Set up personalized responses and intervention teams.
- Get real-time insight of your enterprise.
- Easily integrate new technologies, services and enhancements.
- Ensure the safety and ownership of all collected data, for you and your customers

Meet the Ultimate Technology
Management Platform

About Headlight Solutions

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Headlight Solutions

Complete Hardware & Software Solutions

Custom Software Development

Software Research & Development

Custom Embeded Software Development

Hardware Design

Embedded Design

Embedded Linux

Custom Embedded Hardware (MCU, CPU/SOC, FPGA)

RF Design

Tamper Proofing

Backbone Comunication systems (Long-distance On-Shore/Off-shore)

About Headlight Solutions

THANK YOU

Dare to open new perspectives for your business with HEADLIGHT SOLUTIONS

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Interested in total, effortless control and management?
Let's talk!

Headlight Solutions

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headlightsolutions.ro