# Elektrobit's Cockpit System Solutions

Bring drivers' digital lives into the car

# Develop next-generation, digital cockpits

Driven by AI & connectivity, the cockpit is gradually transforming from a driving space to a new kind of living space with software definition setting the tone. Drivers expect intelligent cockpits to match the HMI level they experience with their mobile phones.

EB's Cockpit System Solutions are fully-fledged offerings that closely work with car makers to design, create, and build the entire cockpit. We support car makers in the development of next-gen, digital cockpits from specification to design & conception, to production engineering & the integration of hardware, software, and third-party apps.

These state-of-the-art, digital cockpits come with a variety of system components to create a delightful driving experience:

- Integrated Google Automotive Services (GAS)
- Multiple speech assistants
- Driver monitoring
- Digital mirrors systems
- Premium 3D cover glass solutions for stunning interior displays
- Pillar-to-pillar display panels & rear seat infotainment solutions



## Success story: Sony VISION S

EB developed a cockpit system that included Sony UX design, infotainment software, and a high-performance computer (HPC) for the cockpit domain with fully featured customer-specific software packages.

**Learn more**

# Key features:

**Car makers can combine a variety of hardware and software components for their tailored solution:**

- Create a customer specific blueprint and execute the development and production.

- Provide customized features, HMI and application development and integration of third-party apps.

- Provide advanced display module development and integration.

- Transition from hardware based to software-defined platforms.

- Software reusability, interoperability, and scalability.

- EB combines hardware, software, and UX design.

# Benefits

## System overarching approach

Leverages a system overarching approach that combines several hardware and software components to offer ONE, holistic, intuitive, safe, multimodal cockpit solution for all driving-related information and infotainment.

## Single vendor development

Car makers do not need to approach multiple vendors and suppliers for their needs. EB is the one-stop shop for all their UI and cockpit solutions with all the necessary technical expertise and know-how to turn their ideas into reality. EB can provide any kind of software or hardware feature, display surface requirements, and industrial design requirements. This reduces development costs, efforts, and development time.

## Modular and scalable

Its modular design and service-oriented architecture enables easy scalability: from a single display to complex, multiple-display devices while running on one system on chip (SoC), on top of a hypervisor distributed to multiple (virtual or native) operating systems (Android, Linux, QNX, and others).

## User and brand experience

EB's Cockpit System Solutions offer a more seamless, immersive user experience that car makers can leverage to offer holistic, intuitive HMI experiences to their customers while capitalizing on creating outstanding OEM branding.
With the solutions, OEMs can bring the car into the occupant's digital life offering a host of features such as personalization, customization, knowledge, and interaction.