



A vertical photograph on the left side of the page shows an orange industrial robotic arm in a factory setting, working on the white metal chassis of a car. The background is slightly blurred, showing other industrial equipment.

Pushing the Edge of business performance

Every successful company has its own operational priorities – opportunities that can push the business even further forward. Maybe they include achieving operational excellence, creating new business service models or deploying new technology for the Internet of Things (IoT) and Industry 4.0.

ADLINK's mission is to facilitate the use of advanced technologies to help our customers optimize their business performance and remain competitive in today's shifting industry landscapes. We provide robust boards, platforms, user interfaces, real-time data connectivity solutions and application enablement for state-of-the-art industrial computing. Together, these also enable innovative end-to-end IoT solutions that utilize the benefits of Edge Computing.

At ADLINK, we like to say we're connecting the unconnected. In essence, that means we enable connectivity between and data extraction from devices in legacy systems to bring data processing and management to the network's edge. But this sentiment also rings true for greenfield IoT deployments. Instead of relying on only one center of control for data functions, our Edge Computing solutions enable disparate data ingestion, normalization and movement to the Edge and the cloud to create greater efficiency across the network.

Let us help drive your business from the Edge.

The products, platforms and services to make intelligent computing and IoT your reality

Products

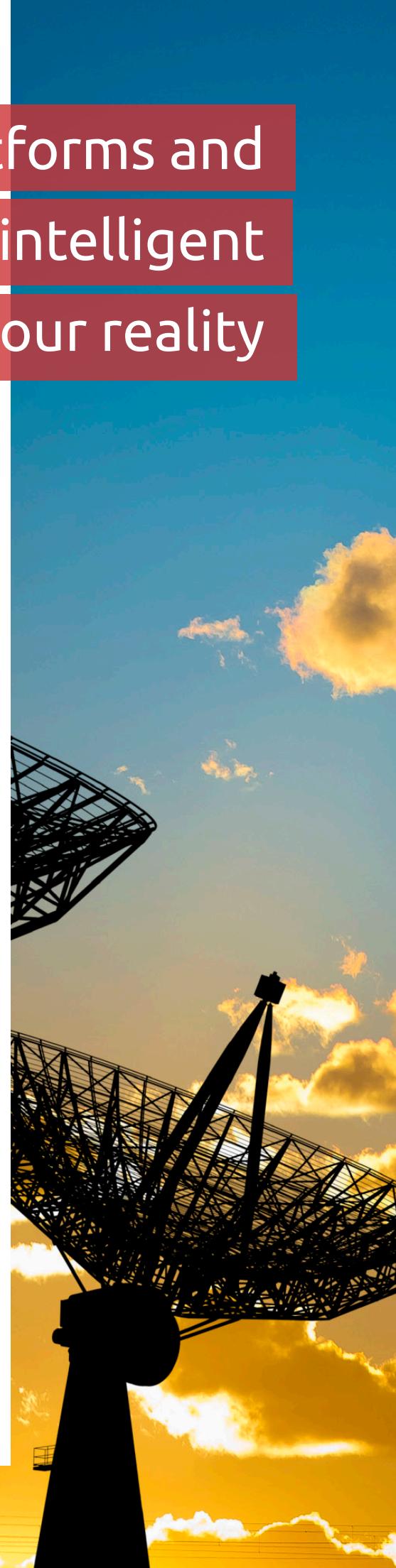
ADLINK provides a variety of embedded building blocks, including boards, blades, chassis, modules, industrial PCs and gateways. We also offer an extensive line of test and measurement products and smart-touch computers, displays and handhelds that support your transition to always-connected systems. Our products are designed based on standardized technology and form factors, and many products are rugged to support extended temperature ranges, shock, vibration and long product lifecycles.


Platforms

We developed our Industrial IoT platforms to address the specialized requirements of different markets. This allows us to start your project with an integrated hardware and software platform that already meets many of your requirements but can be customized for your specific needs. We, along with our growing technology partner ecosystem, develop end-to-end solutions that deliver the business benefits of intelligent embedded, Edge and cloud computing. By adhering to industry standards, supporting open source initiatives and remaining cloud service-agnostic, we reduce the complexity of building IIoT systems.

Services

Our engineering services reduce your development costs and shorten your time-to-market with complete board-to-system-level customization. Local engineering services are available in all major regions and include electrical, mechanical, firmware, software and design capabilities.





We're working to make IoT simpler

The IoT is fundamentally innovative not just because of the technology; rather, the IoT makes a difference because of its ability to rearrange how value is created and captured. At ADLINK, our emphasis is taking the complexity out of the IoT so that your business can focus on getting the most value out of it. We have an extensive track record in embedded computing and connecting distributed systems. We leverage this expertise and the expertise of our growing partner ecosystem to develop pre-integrated solutions that scale with your network's evolution.

The concept of unfettered data access lies at the heart of IoT. ADLINK solutions get you data access from device-to-device and access from the device all the way up to the cloud. In fact, because we're cloud-agnostic, we'll work with any cloud services provider, again making it easier to implement solutions.

Finally, we're big on open architecture. As our industry evolves rapidly, we believe the best way to simplify complex IoT integrations is to adhere to existing standards where applicable and open architecture to further that simplicity for our customers.

Like the IoT itself, ADLINK is everywhere

All kinds of businesses benefit from ADLINK's embedded and Edge Computing solutions.

Communications

The explosion of smart devices at the edge of the network creates new opportunities for telecom providers and enterprise app developers that can effectively leverage the data. Computing at the Edge will become a requirement for performance and functionality as devices become smarter from machine learning and better algorithms. Latency will not be tolerated. ADLINK can work with service providers and operators to understand, identify and monetize new services that are enabled by Edge Computing.

Transportation

Intelligent Transportation Systems (ITS) benefit travelers and providers alike with better management decisions and improved, safer travel experiences. Based on Edge Computing architecture, ADLINK's smart railway platforms deliver safer and smarter rail operation by enabling various wayside and on-board applications such as centralized traffic control (CTC), automatic train control (ATC), surveillance and personalized multimedia content delivery.



Industrial and Manufacturing

Information technology (IT) and operations technology (OT) are converging. Tomorrow's smart factories will go beyond predictive maintenance to leverage machine vision, real-time analytics, artificial intelligent (AI) and other compute technology for data delivery and decision-making at the Edge. Today's executives make decisions on the fly, but they can do better with a partner that can help them understand the key issues of economic constraints, physical constraints, safety and security. ADLINK can help these businesses create value while also mitigating risk.



Infotainment and Retail

Never has a slot machine offered more advanced graphics capabilities for the player or delivered more advanced player tracking data for the casino. Vending systems, wayfinders and other digital signage depend on the latest automation technologies to tailor customer service. In-vehicle infotainment systems are continuing to add to their capabilities. These are just a few instances in which ADLINK can help industry vendors develop applications to process data at the source and customize each user experience while also providing the security to protect user and business data and prevent interruption of service.



Healthcare

Hospitals are under pressure to improve workflows and patient experiences. ADLINK's medical-grade panel computers help healthcare professionals manage information from picture archiving and communication system (PACS), electronic health records (EHR) and other clinical data systems to enable patient monitoring, as well as establish a control center for medical equipment in operating theaters, intensive care units (ICU) or at a patient's bedside. Our medical tablets are designed to allow healthcare professionals to easily access patient data for treatment history, diagnosis and medications. Through our current offerings, ADLINK supports providers in their mission to establish improved data access systems and deliver streamlined patient care in these healthcare environments.



Defense and Aviation

The modern military has a flood of data to contend with, so much so that mission success can be at risk if the right information is not identified quickly and delivered to the field, with or without consistent cloud connectivity. The IoT is mature enough to deliver meaningful results with intelligence at the Edge, making C4ISR systems more powerful and requiring new skill sets. ADLINK understands the unique requirements of defense Edge solutions, including rugged, SWaP-optimized form factors and high density CPU and GPU performance. We can help enable applications that secure information dominance in the communications battlefield, where today's battles are won.

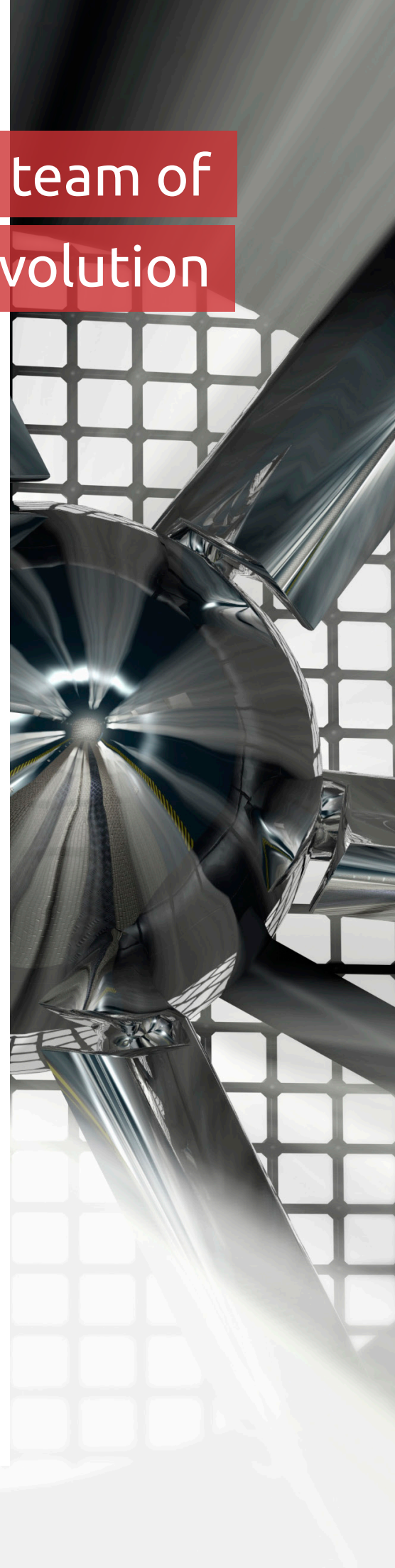


Bringing a dream team of partners to your IoT evolution

Central to the success and simplification of IoT implementations is the ability to leverage an ecosystem of partners that can provide pre-integrated options and offer customers a broad level of design and implementation expertise. In addition, it's important for these partners to appreciate softer factors, such as the cultural differences between IT, OT and communications technology (CT) organizations that are all touching today's IoT deployments.

As one of a handful of Premier Members of the Intel® IoT Solutions Alliance, ADLINK is working closely with Intel to develop Market Ready Solutions (MRS) and RFP Ready Kits (RRK) that provide an out-of-the-box solution for today's most in-demand IoT applications. We are working with NVIDIA to bring the powerful processing performance once limited to graphics into embedded environments and AI-at-the-Edge. With software partners such as Foghorn Systems and OSIssoft, we're able to add Edge intelligence such as powerful machine learning and real-time data streaming to get IoT solutions to the last mile for applications development. These are just a few of the technology partners we're working with to develop end-to-end solutions.

Our latest focus is on helping customers address the challenges often faced when implementing IoT proof of concepts (POC). ADLINK's DXS—IoT digital experiments as a service—is a critical learning tool for a company building a new business model or business process leveraging the power of the IoT. It tests both technology and business issues, enabling cross functional leadership to validate the effectiveness of a solution's design, strategy, organizational compatibility and financial return. Our engagements leverage technologies through all layers of the required hardware, software and network stacks to create viable, scalable and secure IoT solutions that are not confined to a lab POC. Solutions span not only capabilities from ADLINK, but from partners throughout our IoT ecosystem.





Learn more about how ADLINK can help make Edge Computing work for you.
Go to adlinktech.com and iot.adlinktech.com for details on our products and services.