Transportation

Return to Applications

Transportation markets create a diverse and complex embedded design landscape, fragmented by the very nature of global transportation venues but unified in the need for flexible, reliable, long-term performance. Characterized by extreme conditions, non-stop operation and ever-increasing processing requirements, transportation deployments must manage tremendous performance standards while also delivering ideal passenger service, comfort and safety. Intelligent transportation systems (ITS) benefit travelers and providers alike, enabling better management decisions and improving the travel experience by making safer and smarter use of rugged networked technologies. ADLINK's rugged transportation products and platforms are optimized for the development of intelligent transportation systems, meeting space and performance demands, severe environmental restrictions and specialized industry certifications that ensure performance and reliability. With more than 25 years of Rugged by Design expertise, ADLINK enables safe, secure and connected travel – solving complex issues in high performance data processing, mobile connectivity and networked communications in the extreme rigors of transportation environments.

Coupled with in-house design and manufacturing capabilities, ADLINK's rugged transportation design expertise spans the broad spectrum of rugged, high performance systems ideal for modern transportation venues. Customers have a competitive advantage with ready access to a range of industry-certified application ready platforms, as well as the elements to develop their own. Through proven embedded building blocks and Application Ready Intelligent Platforms (ARIPs), ADLINK continues to support and distinguish customers with fast time-to-market and new applications that enable safe, secure and connected travel.

For developers of intelligent transportation systems, ADLINK is your complete supplier of Rugged by Design products, including systems that provide robust, fault-free connectivity, as well as the wide, high-speed I/O required to support the broad and growing spectrum of transportation systems and applications. Development time is reduced, and system manufacturers can focus on their core competencies in creating competitive, high performance transportation management and control applications.

Source: Adlink: Transportation Overview

Create a Case Study **WWW WWW...** (e.g., My NASA Project) →

Prorail

Return to Applications

data_distribution_service_dds provides ProRail with a reliable, real-time and fault-tolerant data-sharing platform to manage critical information within the Dutch railway network. With more than six thousand trains and 1.2 million passengers traveling on it on a daily basis, the Netherlands railway system is one of the busiest in Europe.

Source: Adlink Broken Link

Conflight

Return to Applications

Advanced Flight Data Processors Used in European Air Traffic Management System Coflight is developing the most advanced Flight Data Processor (FDP) in the world and its DDS based architecture helps guarantee the long-term extensibility, scalability and availability of an Air Traffics Management (ATM) system that will be used to optimize air space usage, reduce the environmental impact of aviation and improve flight cost efficiency.

Source: Adlink Broken Link

Volkswagon

Return to Applications

Volkswagen's Driver Assistance and Integrated Safety system uses DDS to combine radars, laser range finders, and video to assist safe operation. It tracks the driver's eyes, shown here, to detect drowsiness. It also detects lane departures, avoids collisions, and helps keep the car in its lane.

Source: RTI: Volkswagen solving the challenge in Driver;ess Valet Parking

Nav Canada

Return to Applications

NAV CANADA uses data_distribution_service_dds to run real-time traffic management in the world's second busiest air space Air Traffic Control in Canada has run on DDS since 2014. The Canadian Automated Air Traffic System (NAVCANtrac) system manages 3.3 million flights over 18 million square kilometers and is the second largest air navigation service providerÂ in the world. It uses DDS to manage, automate and integrate flight data between NAV CANADA air traffic control facilities, multiple surveillance sources, and external systems – safely, securely and with 24/7 reliability.

Source: NAV CANADA improves air traffic management with RTI platform

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