Whether their vehicles have wheels, wings, or both, developers working on autonomous systems need a reliable solution for sensor data fusion — something that doesn’t take up much space.

Time-Critical Ethernet and AVB from DornerWorks make those solutions possible in distributed real-time applications.

**MINIMAL FOOTPRINT**
- Lower your SWaP for the cost of a single FPGA chip
- Eliminate reliance on software processing and DDR RAM.

**HIGH ACCURACY**
- Synchronizes to a grandmaster with +/- 8-ns accuracy (double hop)
- Rapid time convergence

**VERSATILE INTERFACES**
- AMBA/AXI4 Lite and Stream interfaces
- MDIO and RGMII or SGMII interfaces to PHY

DornerWorks' Time-Critical Ethernet IP provides low latency and high throughput, while supporting diverse traffic inputs over a common network with gapless scheduling.

This IP integrates seamlessly with your Ethernet network and adds confidence to your development.
FROM ALPHA TO BETA
in the time frame and budget they promised

DornerWorks delivered the project

DornerWorks Deterministic solution partitions the bandwidth of your incoming data, enabling real-time responsiveness with no buffering, no matter how you stream it.

RIGOROUS STANDARDS
- IEEE 802.3 - Gbps full-duplex
- IEEE 802.1AS-REV slave profile
- IEEE 802.1Q-2014 - FOTSS strict priority or credit-based scheduler for up to 8 QoS.

PERIODIC REPORTING
STREAMING DATA
ALERTS

BE CONFIDENT YOUR APPS WILL TRIGGER ON TIME

You can add time-synchronization and determinism to legacy devices, or build a fleet of new networked products from the ground up, and never worry about stale data again.

SCHEDULE A CONSULTATION
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