



Autonomy Development Platform

CUSTOMIZED NAVIGATION SOLUTIONS THAT ENABLE AUTOMAKERS, TRUCK MAKERS, AND SUPPLIERS TO ACCELERATE DEVELOPMENT AND PRODUCTION OF AUTONOMOUS VEHICLES OF ALL TYPES

Applanix offers on-road and off-road vehicle manufacturers all the tools and engineering expertise to support and augment driverless vehicle development programs. Fully customizable and including engineering and integration services, field-tested hardware, and our proprietary software for highly accurate positioning, our navigation solution is capable of working with all sensors, including multiple cameras, LIDAR, radar, and ultrasonic sensors, and with all vehicle types at all stages in the development and commercialization cycle.

The platform includes Development Kits for the research/development/testing stage and Production Kits for producing the finished vehicles.

DEVELOPMENT KITS

The Development Kits are designed to meet the unique needs of your particular applications and vehicles under development and can include highest accuracy POS LV systems, the POS LVX, POSpac software, integration services, engineering services, cabling, connectors, etc.

PRODUCTION KITS

The Production Kits include high volume, inexpensive OEM board sets for installation in the final vehicles, as well as engineering support, integration services, etc.

Benefits

- ▶ Reduced costs: customized solution for all vehicles, environments, and applications means no rework or changing technology
- ▶ Faster to market: customized to accelerate all stages of development and production
- ▶ One-stop-shop: includes engineering services, integration services, and proven hardware and software
- ▶ Flexibility: custom support for production of on-road and off-road vehicles.
- ▶ Custom support for research, development, testing, and production stages of commercialization.
- ▶ Precise, high-rate, low-latency, real-time data
- ▶ Quick operational capability
- ▶ Requires little space in the vehicles
- ▶ Uses the latest survey-grade GNSS technology for improved positioning performance



ADVANCING DRIVERLESS VEHICLE DEVELOPMENT PROJECTS AT EVERY STAGE

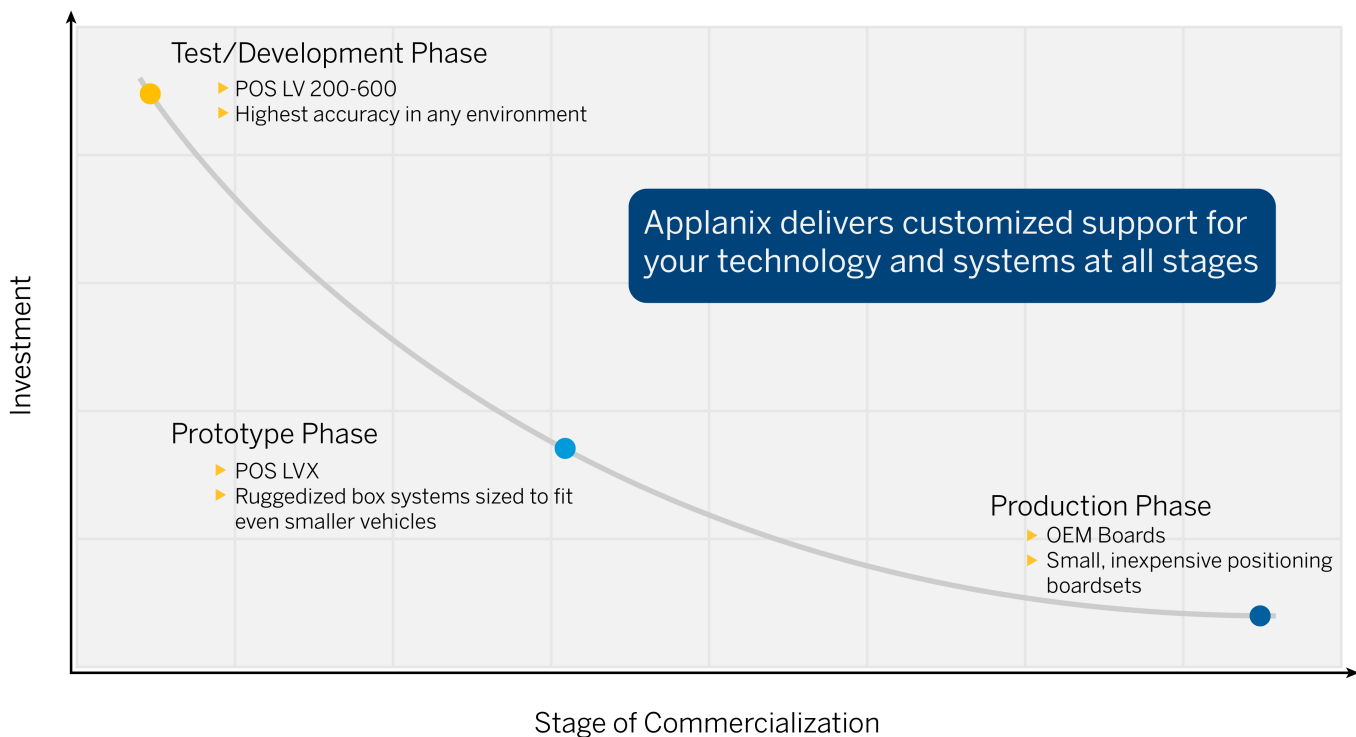
DEVELOPMENT KITS

Can include:

- ▶ A compact, fully integrated, turnkey Position and Orientation System, utilizing integrated inertial technology to generate stable, reliable, and repeatable positioning solutions
- ▶ POSpac MMS post-processing software
- ▶ Choice of IMU based on requirements
- ▶ Advanced Applanix IN-Fusion™ GNSS-Inertial integration technology
- ▶ Dual-frequency GNSS antenna
- ▶ All cables, connectors, interfaces, etc.

PRODUCTION KITS

- ▶ For on-road and off-road vehicles of all sizes and for all applications (heavy industry, automobiles, etc)
- ▶ Embedded GNSS-Inertial OEM board set
- ▶ Small, compact form
- ▶ Low weight and power requirements
- ▶ Solid-state MEMS inertial sensors with Applanix SmartCal™ compensation technology
- ▶ Advanced Applanix IN-Fusion™ GNSS-Inertial integration technology
- ▶ POSpac MMS Differential GNSS-Inertial post-processing software for highest accuracy
- ▶ Antennas, cabling, etc.



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