MSU

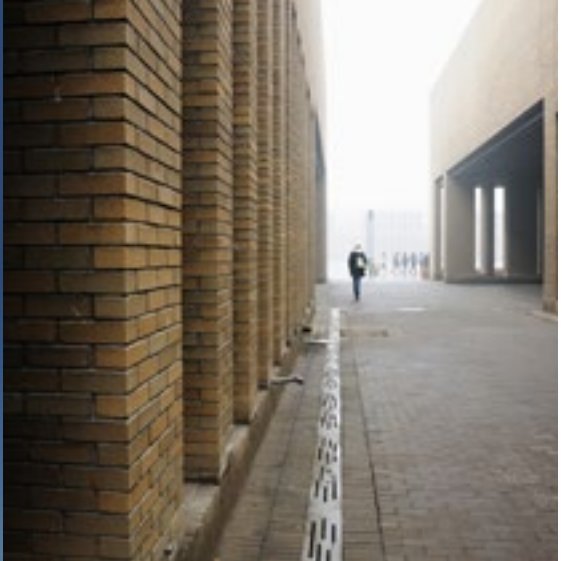## mobile surveillance

Some security challenges demand bold, innovative solutions: a lonely stretch of border, a critical facility with a large-scale perimeter, or a large short-term event.

4D Security Solutions' MOBILE SURVEILLANCE UNIT (MSU) is just such a solution — a fully-integrated, self-contained surveillance platform equipped with camera and radar that can be dispatched at a moment's notice to secure an unprotected area of a site, or to replace malfunctioning sensors and communicate directly with an existing security network.

MSU for Mobile Surveillance — Any Time, Any Place

The MSU is built on a Chevrolet Silverado 3500HD 4×4 pickup truck that has been modified to include a retractable telescopic mast containing:

- **A day/night surveillance camera** that provides 360 degrees of coverage up to a range of two miles
- **A ground surveillance radar** that provides 360 degrees of coverage around the MSU

The front cabin of the vehicle accommodates a two-person crew and contains sufficient provisions to enable standalone missions of up to 24 hours.

The front cabin also provides computer support: a ruggedized laptop running WISDOM, 4D's state-of-the-art command and control platform, and a touch-screen tablet to control the internal operations of the MSU, including raising and lowering the sensor mast.

The rear cabin and roof house the mast and sensors, generators, air conditioning equipment, power distribution components, and communications antennas.

Because it is built on a standard commercial pickup frame, the MSU can travel to its destination anonymously, and once there can deploy as an independent surveillance system, or integrated into an existing system. It can operate in any environment from urban streets to wildernesses and deserts, and can protect everything from borders to urban and maritime facilities.

Electical system control panel in front cabin

Storage area for provisions or additional equipment

Sophisticated sensor array, consisting of a radar and a day/night PTZ camera is easily deployed in remote locations

Wisdom C&C software on laptop (top) integrates with remote command center. CCU touchscreen computer (bottom) controls vehicle subsystems

Features

- Independent (standalone) operation up to 24 hours or indefinitely with refueling
- Deploys or stows in under 15 minutes
- Integrates with fixed security networks
- Fully-customizable sensor suite
- Day/Night Camera and Radar
- V8 4×4 Pick-up with improved all-terrain mobility
- Radio communication links
- Redundant power sources
- Redundant cooling systems

- Operates anywhere, including harsh environments
- Operating temperature range: -10 to +55°C
- 6 Meter mast with 90 kg payload capacity
- Detection Range (sensor-dependent):
   ◦ People 5 km
   ◦ Vehicles 8 km
- Auto-tracking
- Central Control Unit (CCU) controls all mission-critical subsystems

4D Security Solutions, Inc., based in South Plainfield, New Jersey, has implemented state-of-the art innovative secure systems since its inception in 2004. 4D is a security solutions provider offering systems assessment, design, installation, and systems integration services to major customers with large critical facilities, in operations such as airports, petrochemical plants, borders, rail, maritime ports, and urban area traffic monitoring/control. 4D's technology and services are proven in demanding environments world-wide including some of the world's largest metropolitan critical asset and transportation projects.

Wisdom software is protecting people, commerce, and infrastructure around the world:

- *2 million people in Abu Dhabi*
- *500 miles of international border*
- *Philadelphia, Pennsylvania Real-Time Crime Center*
- *15% of the world's liquefied natural gas (LNG) supply*

4D SECURITY SOLUTIONS

ISO 9001 CERTIFIED
ISO 9001:2008

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