



LIGHTWEIGHT VEHICLE  
SURVEILLANCE SYSTEM

*FLIR* LVSS™





A man is shown from the side, sitting in the driver's seat of a vehicle. He is looking towards the right, where a large monitor displays a map or data. The steering wheel has the Ford logo. The interior is modern and equipped with various controls and a large display. The scene is lit with natural light from the windows.

# SINGLE OPERATOR. FAST DEPLOYMENT. ANYWHERE.

Protecting vast and remote borders, shorelines, and forward-operating bases requires speed, mobility and flexibility. Maximizing the power of a limited number of personnel is also critical. FLIR LVSS provides the one-man efficiency you need to cover multiple threat areas throughout your mission to guard against smuggling, terrorism, and illegal immigration – day and night. The skid-based LVSS converts a standard commercial pickup into a rapidly deployable command and control center. In less than one minute, a single operator can set up the LVSS and report for full perimeter duty from the comfort of the cab. When it's time to relocate, the mast and its mounted FLIR cameras, radar, and sensors, stow out of sight for covert transportation.





*Cab-based control protects operator from the elements*



*Easy, single operator set-up  
Deploy in less than 30 seconds*



*Engine-off silent mode for stealthier surveillance*



*Supports EO/IR surveillance sensors and radars*



*Sled based integration for  
any commercial truck*

*Mast fully retracts for covert travel*



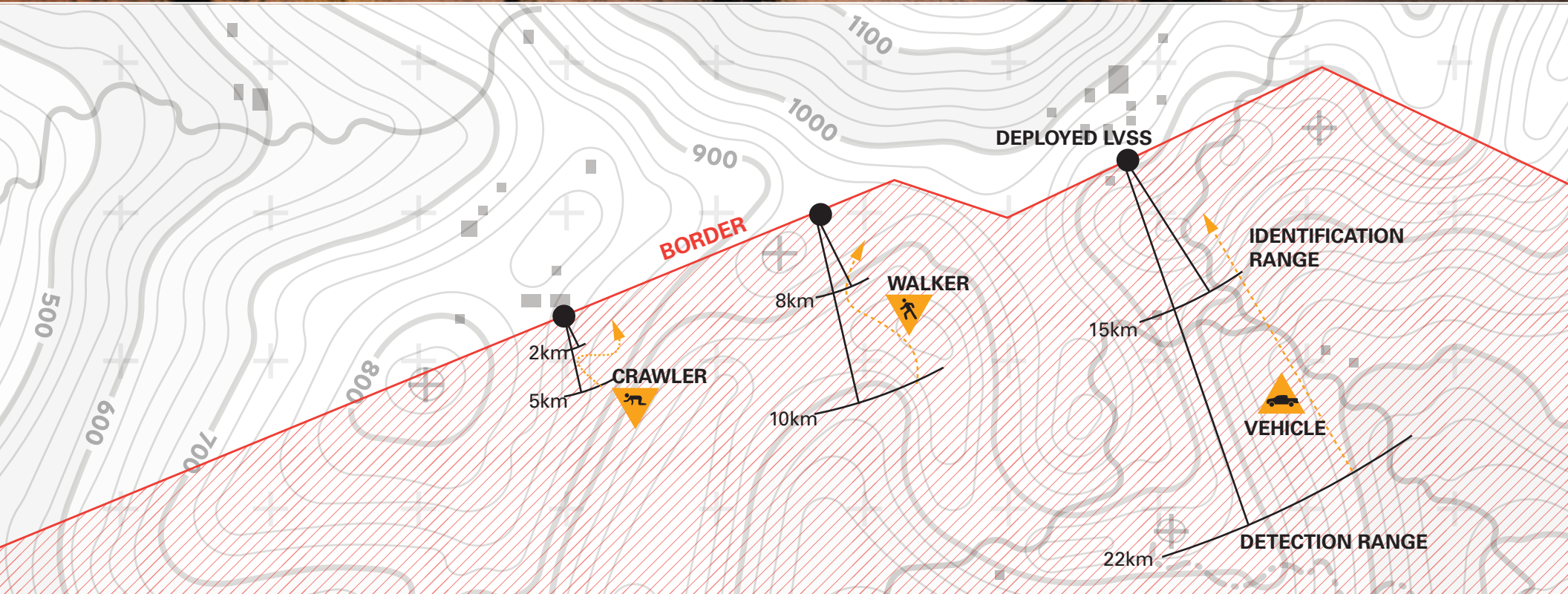
# MISSION: BORDER SURVEILLANCE

## PROBLEM

- Remote entry points
- Vast areas to cover
- Limited personnel
- Extreme conditions
- Clever crawlers
- Potential threats in disguise

## SOLUTION

- Covert
- Rapid deployment
- Nimble mobility
- Operator comfort
- Long-range detection
- Early warning
- Swift identification





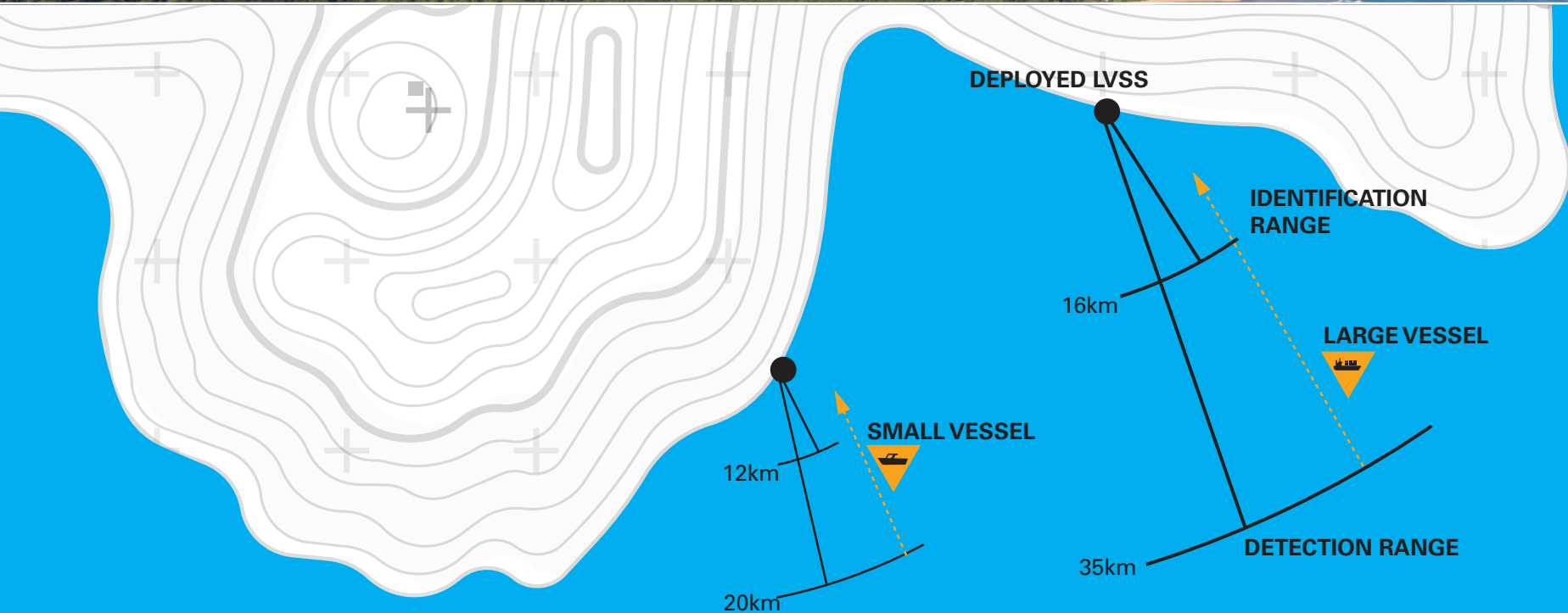
# MISSION: COASTAL SURVEILLANCE

## PROBLEM

- Long shorelines
- Massive port facilities
- Small crew
- Maritime weather
- Nefarious swimmers
- Cloaked small craft
- Shady ships

## SOLUTION

- Wide coverage
- Mobile flexibility
- Single operator
- Dry, warm truck cab
- Up to 20km + range
- Penetrates fog
- Instant detection





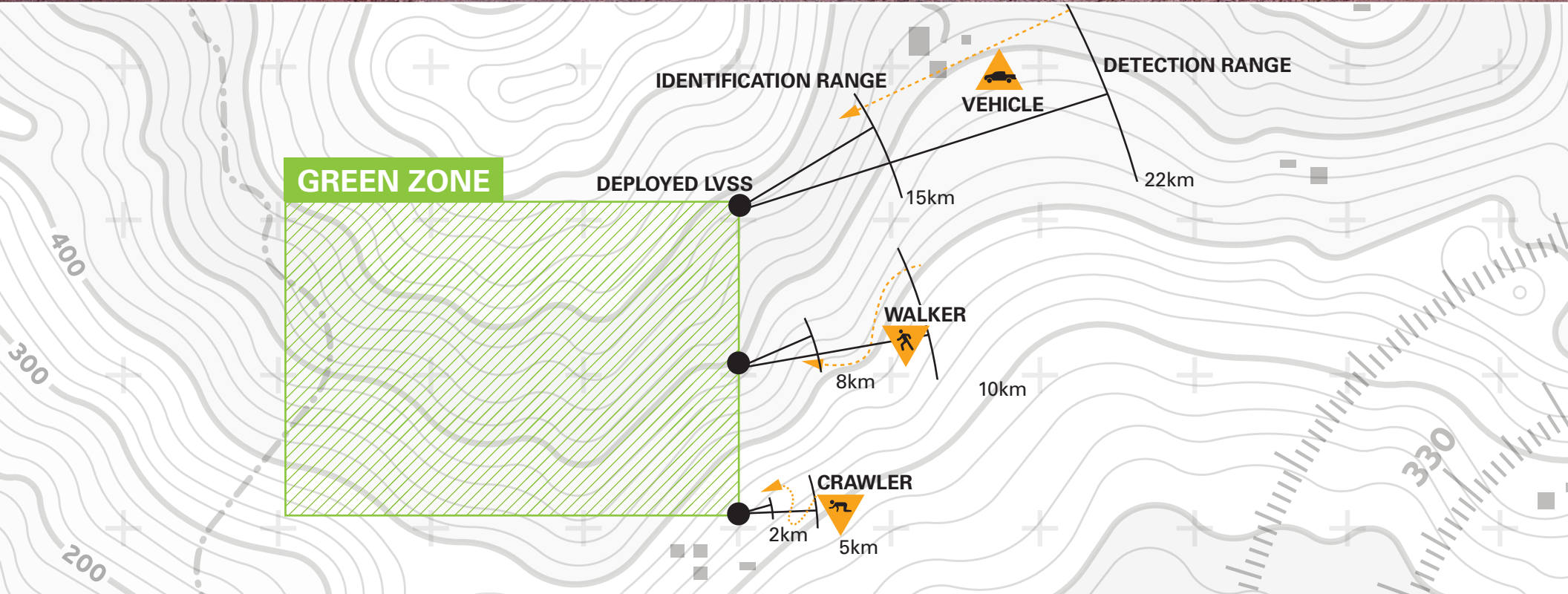
# MISSION: FORCE PROTECTION

## PROBLEM

- Vast bases
- Vulnerable green zones
- Finite patrol force
- Arid environment
- Suspicious vehicles
- Armed militants
- IEDs

## SOLUTION

- Single operator deployment
- Air-conditioned
- HD IR, EO, SWIR, LLTV imaging
- RADAR detection
- Preemptive action





# SPECS

| Radar Options  |   |
|--|---|
| Option 1   | R6SS-FMCW X-Band  |
| Option 2   | R20SS-FMCW X-Band   |
| Camera Options   |   |
| Option 1   | TacFLIR-230   |
| Option 2   | TacFLIR-280HD   |
| Option 3   | TacFLIR-380HD   |
| Camera Wavelength Options  |   |
| High Definition (HD) Mid-Wave Infrared (MWIR), Short Wave Infrared (SWIR), HD Color Zoom |   |
| Payload Options  |   |
| Lasers   | Laser Rangefinder<br>Laser Pointer (NIR wavelength)   |
| Illuminators   | NIR wavelength  |
| Other Sensors  | Differential GPS, Weather Station, Inclometers,<br>Perimeter Intrusion  |
| Command & Control  |   |
| Cameleon™ Tactical   | Track blending of multiple sensors, slew-to-cue of camera to radar, mapping functionality, zone management, video archiving and distribution, and alarm notification and management   |
| Simultaneously Tracking  | >500 Targets  |
| Operator Console   | Easily integrated in between the front driver and passenger seats, allowing for system operation from either location. The operators console provides two 17" HD displays, mouse, keyboard, and camera remote controller that can be easily and securely stowed for rapid deployment. |
| Environmental  |   |
| Power Options  | Battery, Vehicle and Shore Power, Portable Generator  |
| Length   | 67 in. (170 cm)   |
| Width  | 65 in. (165 cm)   |
| Height (mast stowed)   | 22 in. (56 cm)  |
| Height (mast deployed)   | 16 ft. (4.9m) mounted on an F-150 truck (or similar)  |
| Deployment   |   |
| Fully Configured Vehicle   | < 60 min.   |
| Mast Deploy & Stow Time  | < 30 min.   |

## FLIR TACFLIR AND RANGER SERIES OF EQUIPMENT



# AT HOME AND AROUND THE WORLD



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Kaohsiung City, TW  
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Kuala Lumpur, MY



## AMERICAS

FLIR Systems, Inc.  
Corporate Headquarters  
27700 SW Parkway Ave.  
Wilsonville, OR 97070 USA  
PH: 1.877.773.3547

FLIR Systems, Inc.  
DC Headquarters  
1201 S. Joyce Street  
Suite C006  
Arlington, VA 22202  
Office: +1 703.682.3400

FLIR Systems, Inc.  
7055 Troy Hill Dr. Suite 300  
Elkridge, MD 21075  
Office: + 1 877.692.2120

FLIR Systems, Inc.  
19 Alpha Road  
Suite 101  
Chelmsford, MA 01824-4237  
Office: +1 978.769.9333

FLIR Systems, Inc.  
575 Kumpf Dr.  
Waterloo, ON N2V 1K3, Canada  
Office: +1 519.489.6726

FLIR Systems, Inc.  
1001 17th St #680  
Denver, CO 80202  
Office: +1 720.442.7410

## EUROPE

FLIR Systems  
2 Kings Hill Avenue - Kings Hill  
West Malling, Kent ME19 4AQ  
United Kingdom  
Office: +44 (0)1732 220 011  
Fax: +44 (0)1732 843 707

## MIDDLE EAST

FLIR Systems B.V. - Abu Dhabi  
Wadi Al Fey St.  
Building 60, Office # 302  
New Ministries Exit / Khalifa Park Area  
Abu Dhabi, U.A.E.  
Office: +971 2 666 1561  
e-Fax: +1 503 914 1591

FLIR Systems Saudi Arabia  
Office 127, First Floor  
Akaria Plaza Building, Olaya Street  
Riyadh, 11481, Saudi Arabia  
Office: +966 11 464 5323  
Fax: +966 11 464 0438

## ASIA

FLIR Systems Japan K.K.  
Meguro Tokyu Bldg. 5F, 2-13-17  
Kami-Osaki, Shinagawa-ku.  
Tokyo, 141-0021, Japan  
Office: +81-3-6721-6648

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[saleshelp@flir.com](mailto:saleshelp@flir.com)



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