

# NEXTSTATION

MARRAKECH 2015



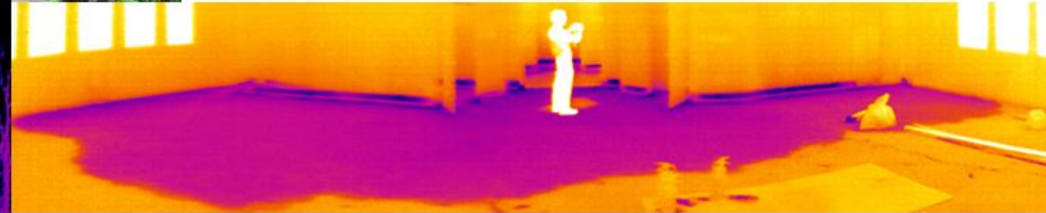
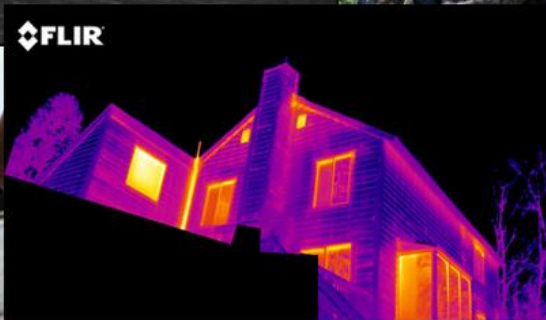
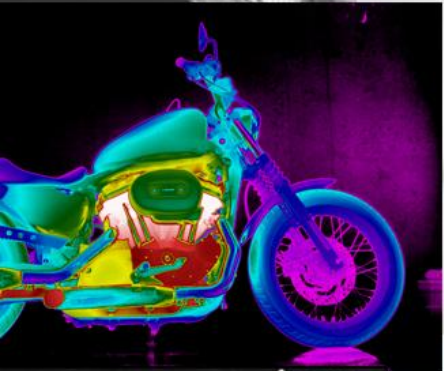
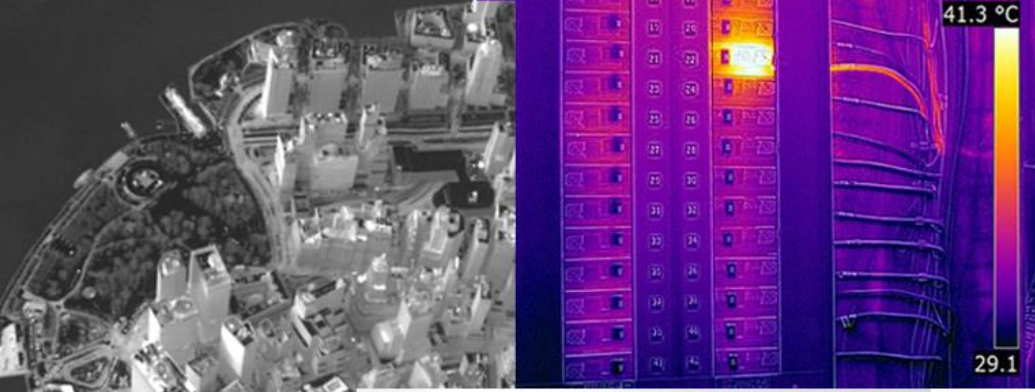
 **ONCF**  **UIC**

**5**<sup>TH</sup> INTERNATIONAL CONFERENCE ON  
**RAILWAY STATIONS**



Palmeraie Palace

Marrakech, 21-22 october 2015



Solutions for all your needs in terms of prevention

Werner Filez



The World's Sixth Sense™

# OPERATING PORTFOLIO

2014 Revenue (\$Millions)      2014 Operating Margin\*

## Surveillance

\$520

25%



- Airborne systems
- Maritime systems
- Land systems
- Border surveillance
- Tactical vision
- Command & control software

## Detection

\$86

13%



- Radiation detectors
- Explosives detectors
- Chemical-biological threat detectors
- Mass spectrometry systems

## Security

\$179

14%

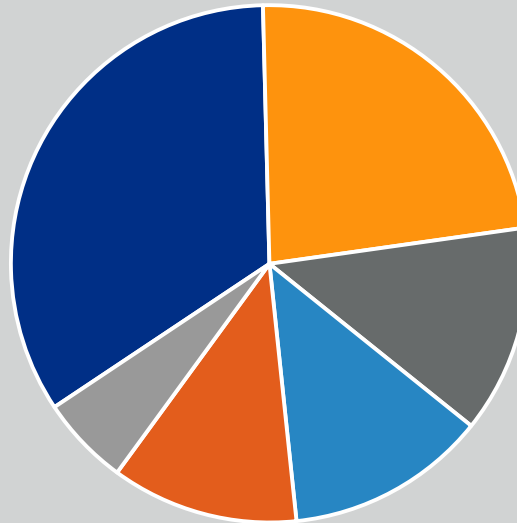


- Thermal security cameras
- Visible-light security cameras
- DIY security systems
- Software and analytics



2014

\$1.5 B Revenue



18%

Operating Margin\*

\$226 M

Operating Cash Flow

\$1.48

EPS\*

2014 Revenue (\$Millions)      2014 Operating Margin\*

## Instruments

\$354

31%



- Building inspection cameras
- Electrical / mechanical cameras
- Lab / R&D cameras
- Test & measurement tools
- Firefighting cameras

## OEM & Emerging

\$199

25%



- Thermal camera cores & components
- Intelligent traffic systems
- Mobile accessories

## Maritime

\$193

13%



- Multifunction displays
- Instruments
- Sonar
- Radar
- Thermal cameras

\* Income amounts exclude restructuring charges.



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# SOLUTIONS

Surveillance

Instruments

OEM & Emerging

Maritime

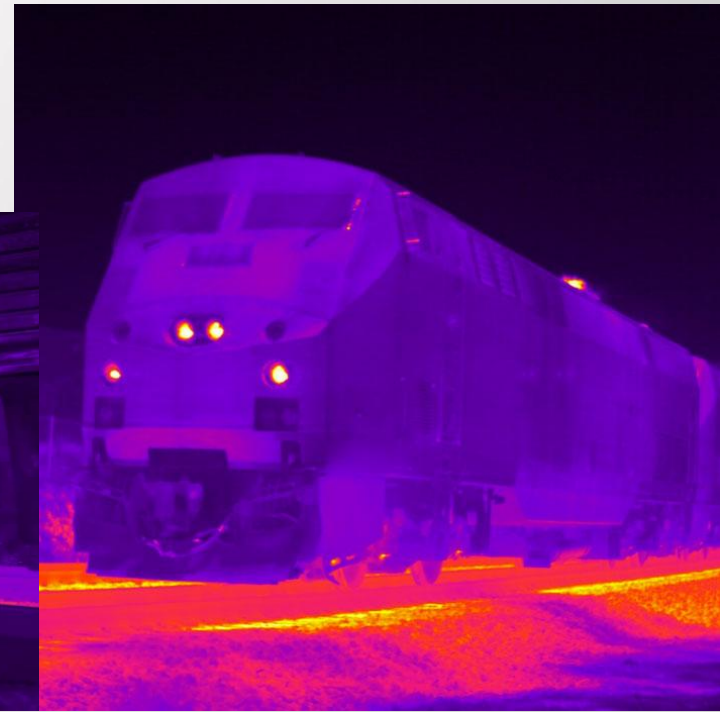
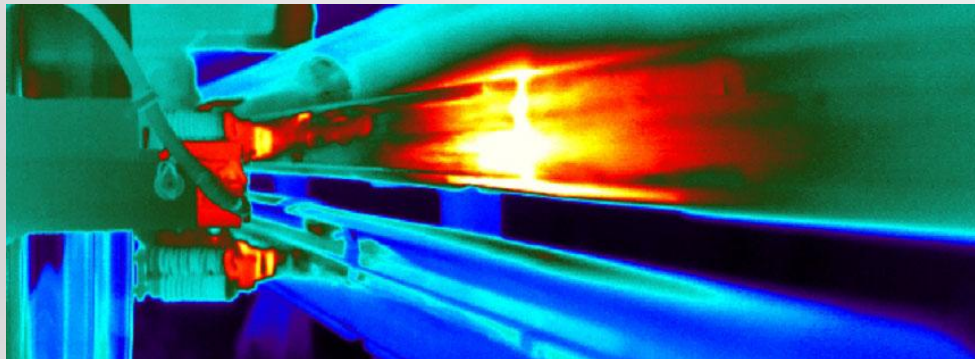
Security

Detection

Intelligent  
Transportation  
Systems

## Flir Intelligent Transportation Systems

- Own Resaerch & Development
- Tailor made solutions
- Over 30 years experiance
- Global market leader



# SOLUTIONS

Surveillance

Instruments

OEM & Emerging

Maritime

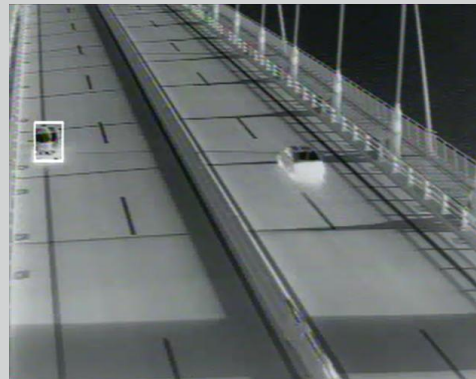
Security

Detection

Intelligent  
Transportation  
Systems

Adding **advanced** detection

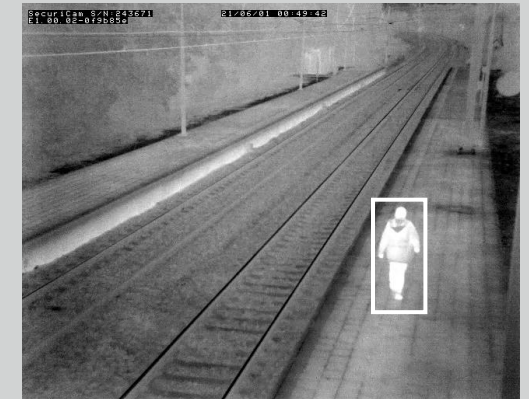
## Tunnel & Highway



## Urban



## Public transport



Making the road a safer place

# SOLUTIONS

Surveillance

Instruments

OEM & Emerging

Intelligent  
Transportation  
Systems

Maritime

Security

Detection

## Public transport



- Level Crossing
  - Tramway crossing
  - Railroad crossing
- Fire detection
  - Live stream
  - Occupancy
  - availability
- Trackside monitoring
  - Suicide prevention
  - Platform safety - release
  - Station/tunnel intrusion
- Driver assistance
  - Frontview assistance
  - Rearview assistance
    - Graffiti prevention

# WHY THERMAL

## Visual feedback



- Direct integration
- ONVIF
- Configurable overlay

## Situation independent



- All weather conditions
- 24/7 detection
- No illumination needed

## Thermal based detection



- Optimized for thermal
- Shape based
- Insensitive to unwanted objects

# TRACKSIDE MONITORING





# TRACK MONITORING



# PROJECT NS



OEM & Emerging

Solutions

Project

Integration

NS



NS Dutch Railway company  
people on track

- ✓ 1 site with up to 4 Thermicams
- ✓ Up to 1600 sites and 6000 sensors
- ✓ 100% stand-alone installation
- ✓ Auto-detection with solar panel and batterie for night detection

# PROJECT NS



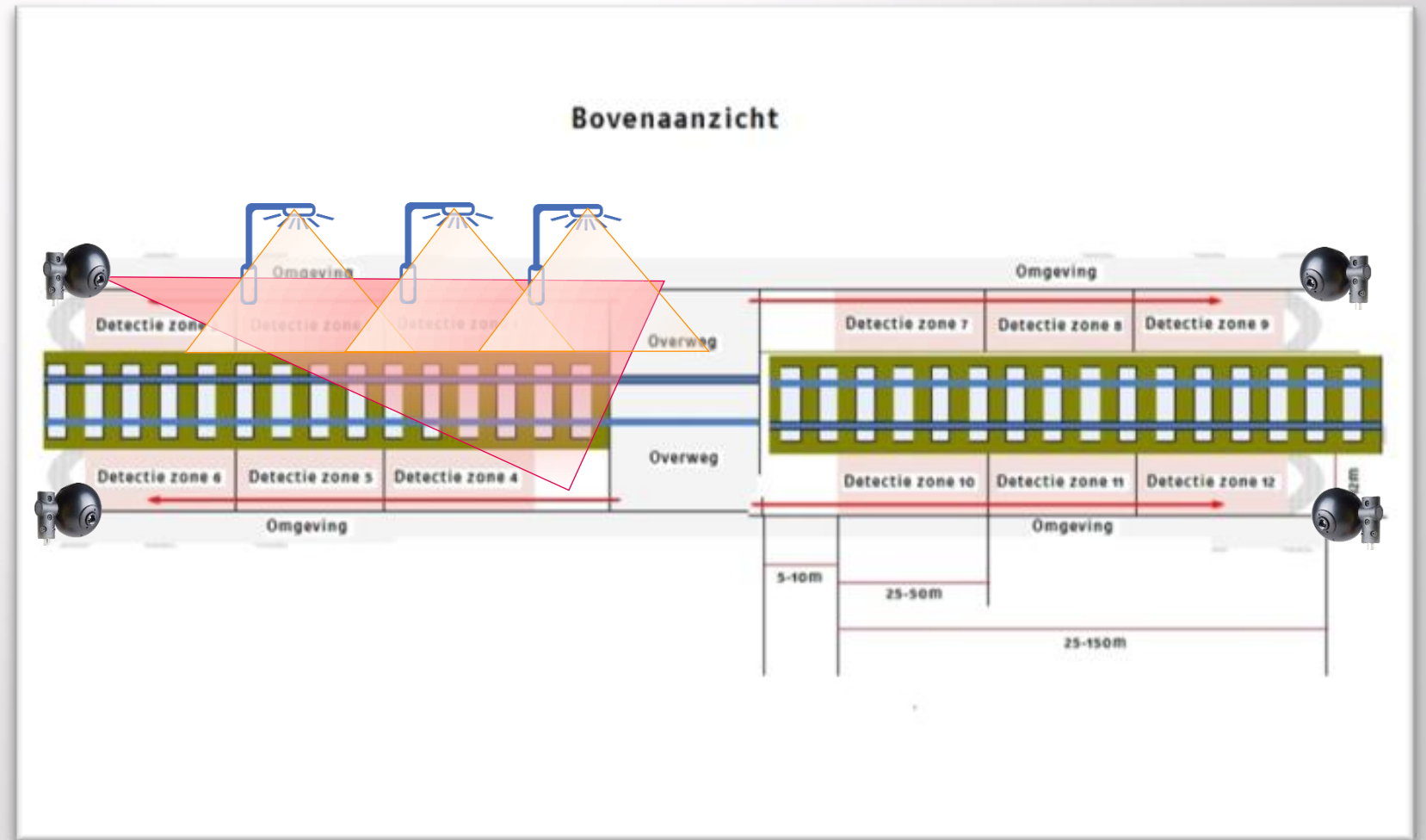
OEM & Emerging

Solutions

Project

Integration

NS



# PROJECT NS



OEM & Emerging

Solutions

Project

Integration

NS



# Integration



Edge-based detection

- Full streaming
- Only alarms

Local interfacing possible

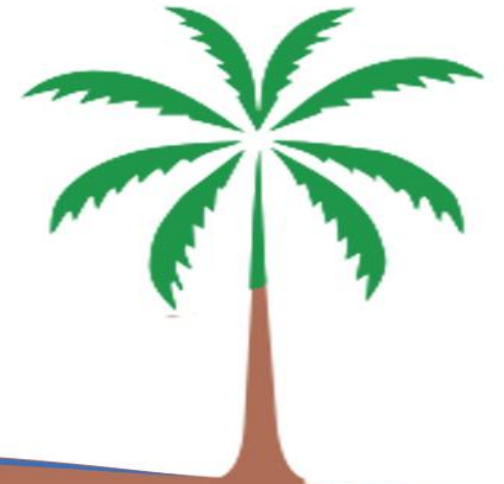
- Dry contacts

- Event recording
- Configuration
- Reporting
- Gateway
  - OPC
  - Plug-ins

3th party VMS

- SeeTec
- Genetec
- Milestone
- DVTEL
- ...

- Werner Filez



THANK YOU

MERCI

