

*NexTech 2010*  
*October 25-30 Florence, Italy*

**Tutorial**

**Surveillance Technologies**  
**Beyond State-of-the-Art**

**Florian Matussek, Kiwi-Security,**

Dr. R. Reda, ICTmc

## **Topics:**

**Advanced Surveillance Techniques**

**Communication Technologies for Surveillance**

**Processing Power driving Surveillance Business**

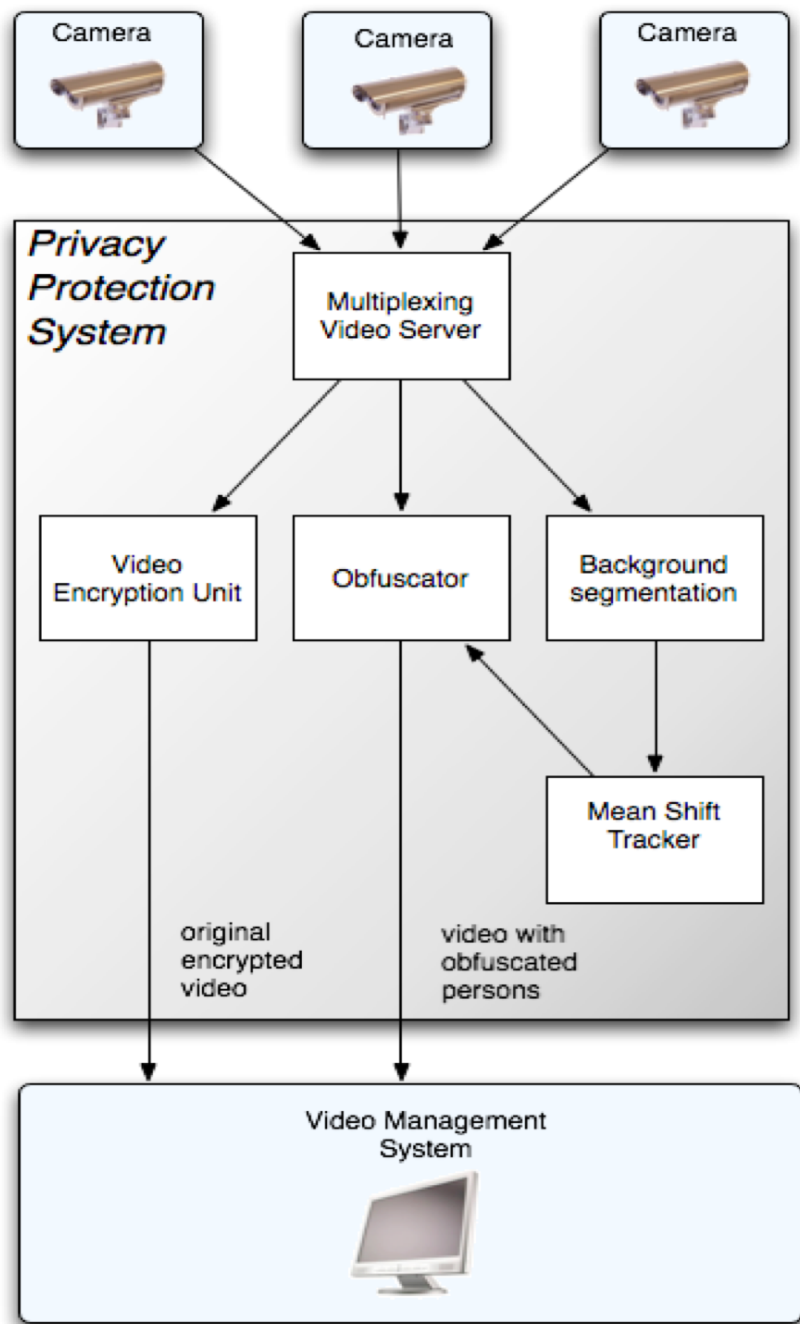
**Multi-Sensor Surveillance Technologies**

**Surveillance and Physical / Cyber Security**

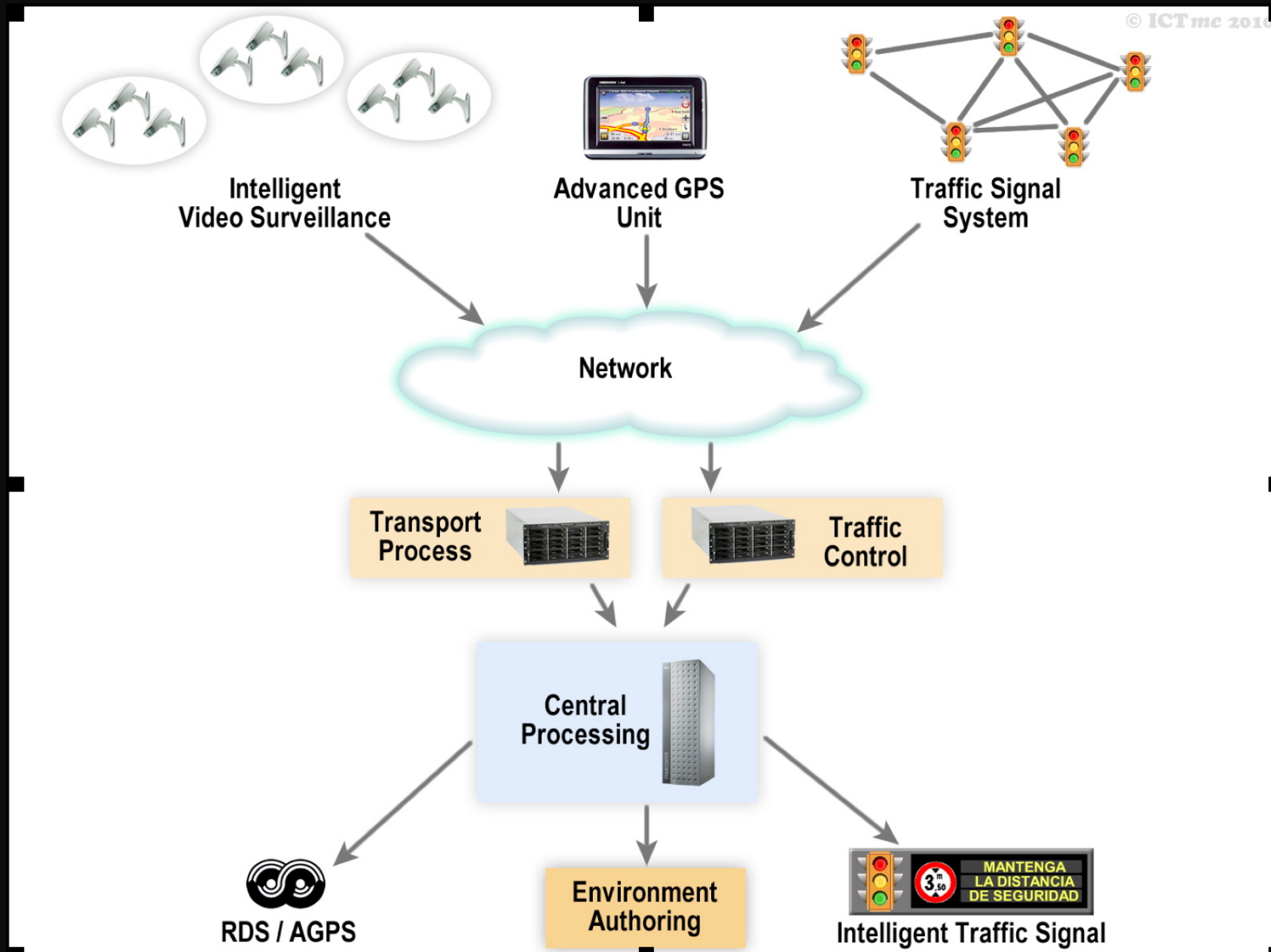
**Smart Home & Home Security**

**Satellite Surveillance**

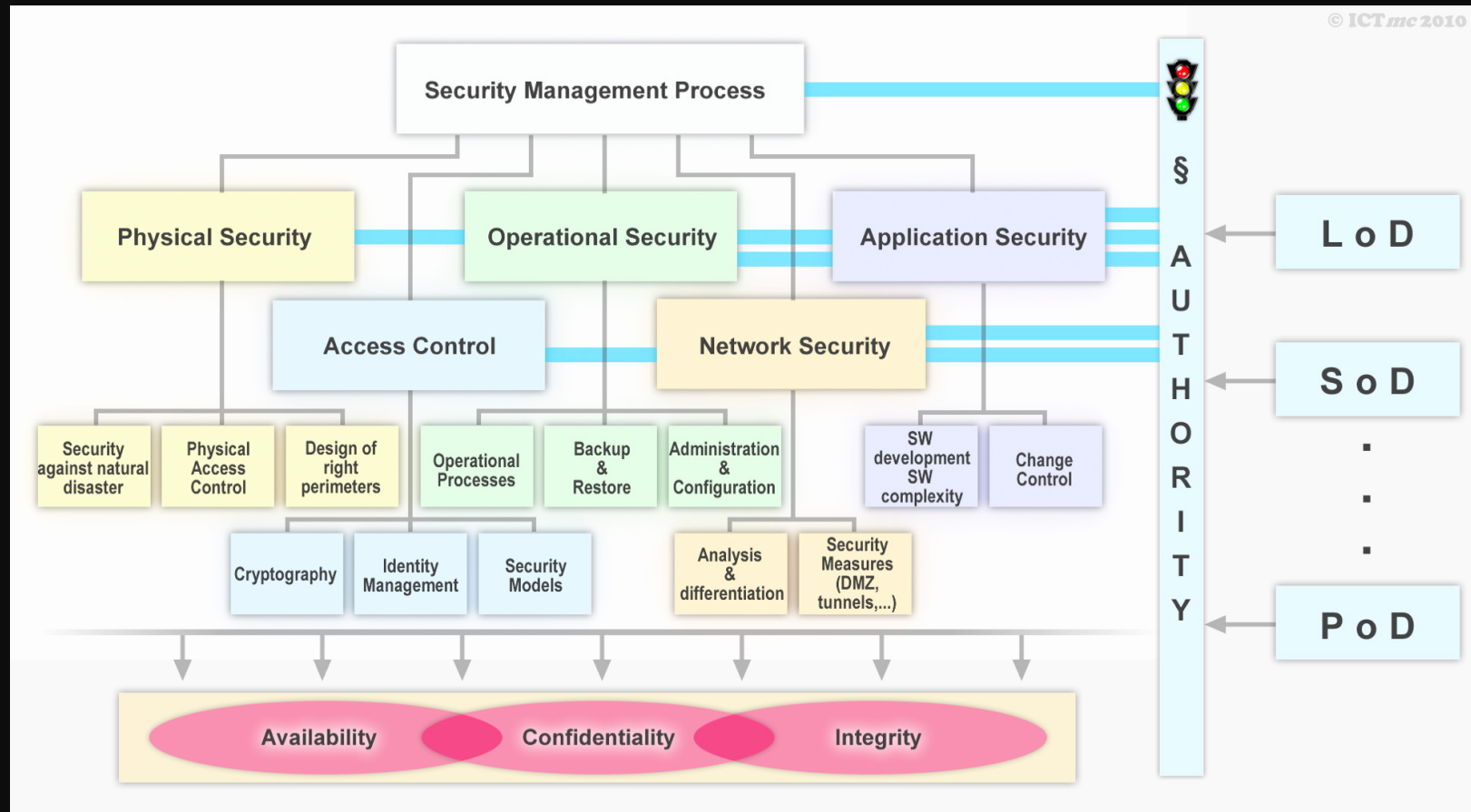
# System Overview



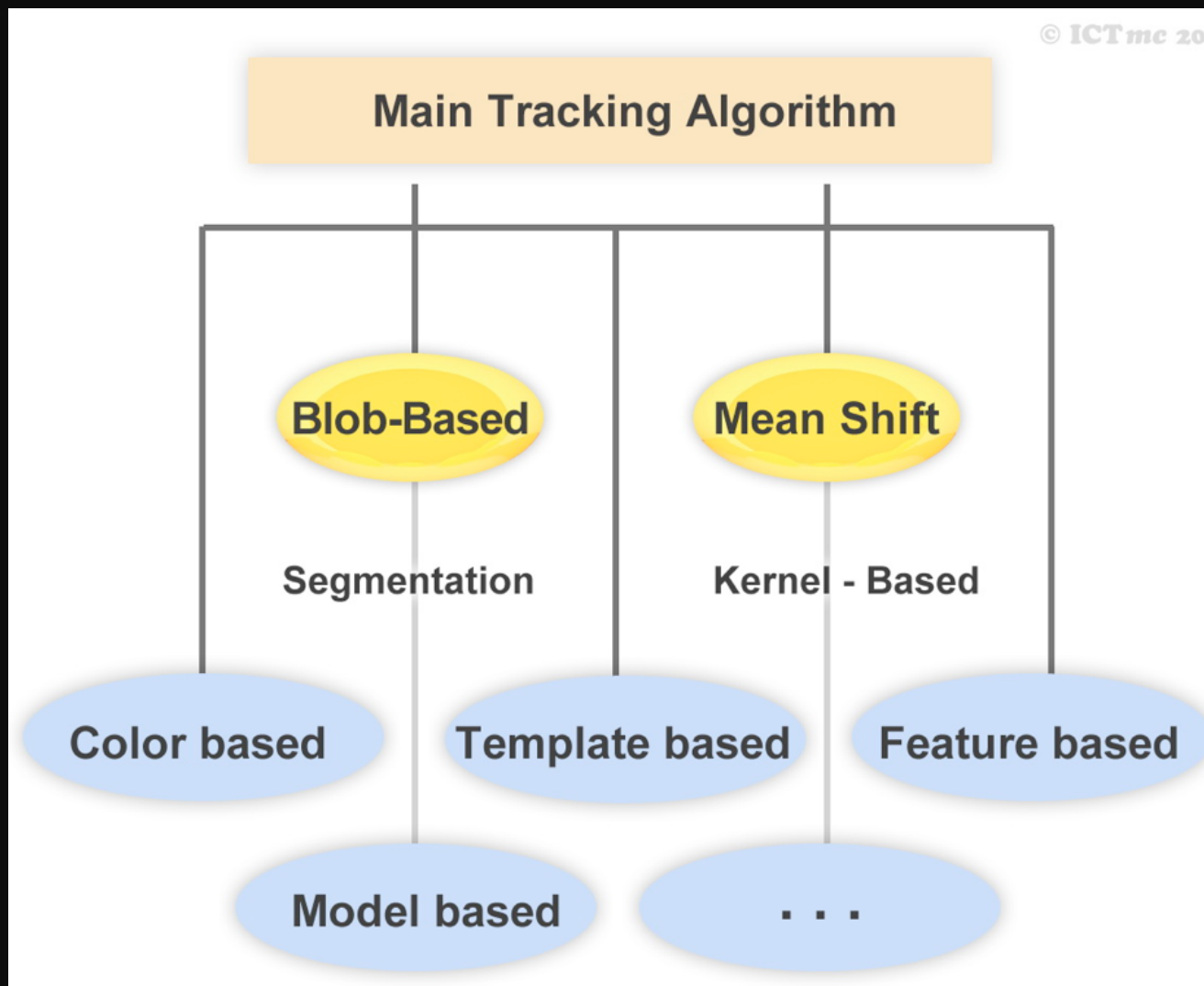
# Application: UltiNet



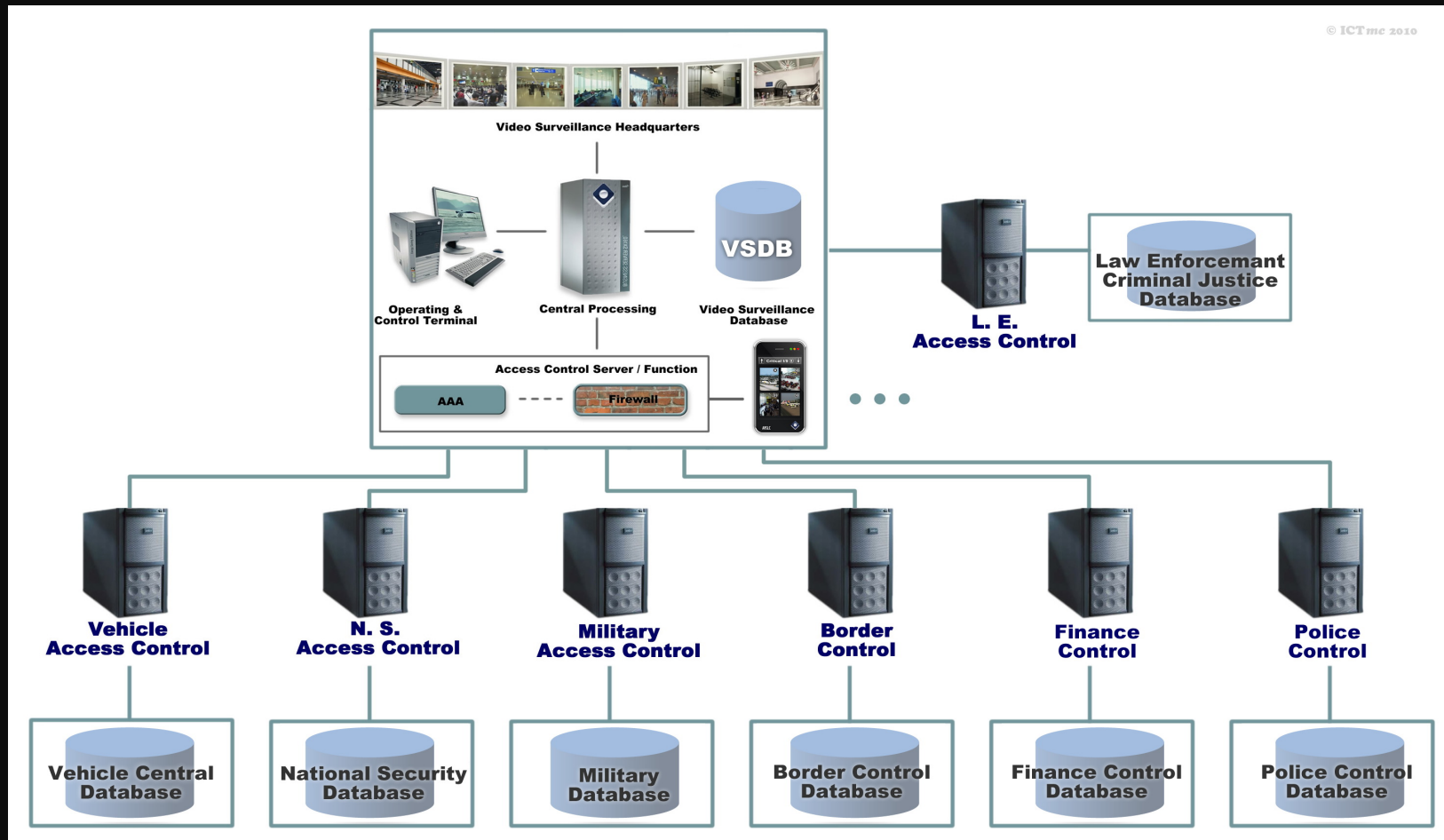
# Application : M.East



# Tracking Algorithms



# Future Applications of AVSS



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# Advanced Surveillance Techniques:

Security Management Process

**Video Surveillance Local Control**

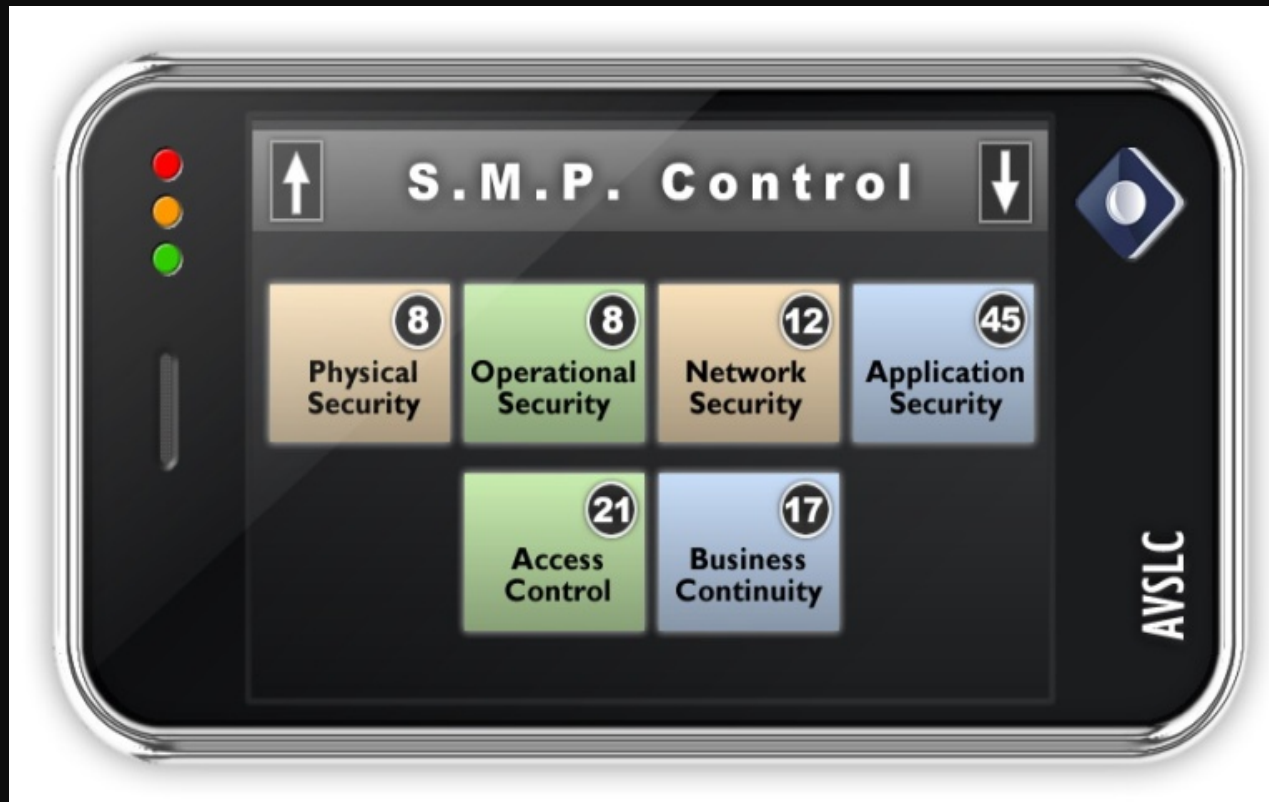
Nearly Indestructible System

Wireless Self-contained VS Unit

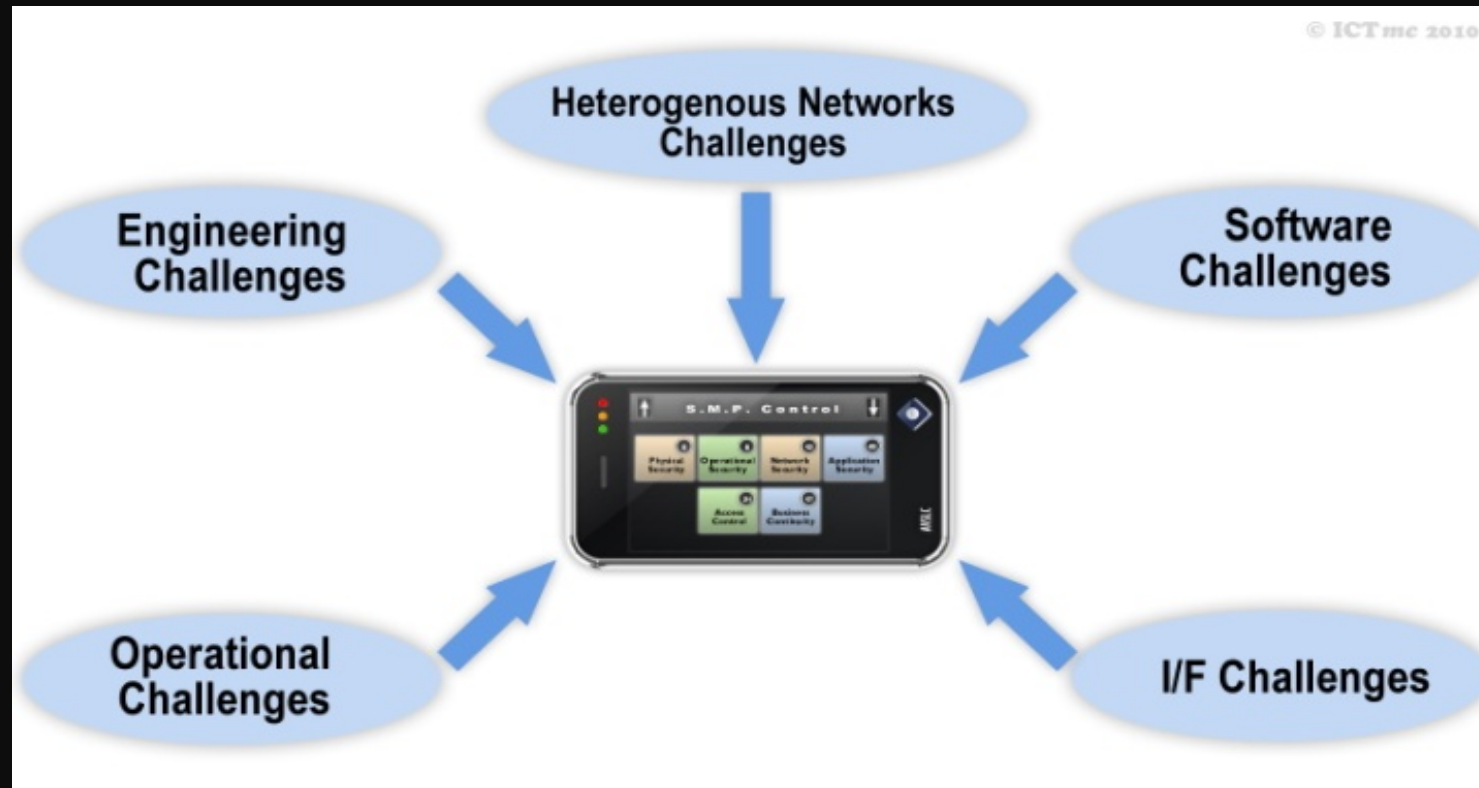
# AVSLC



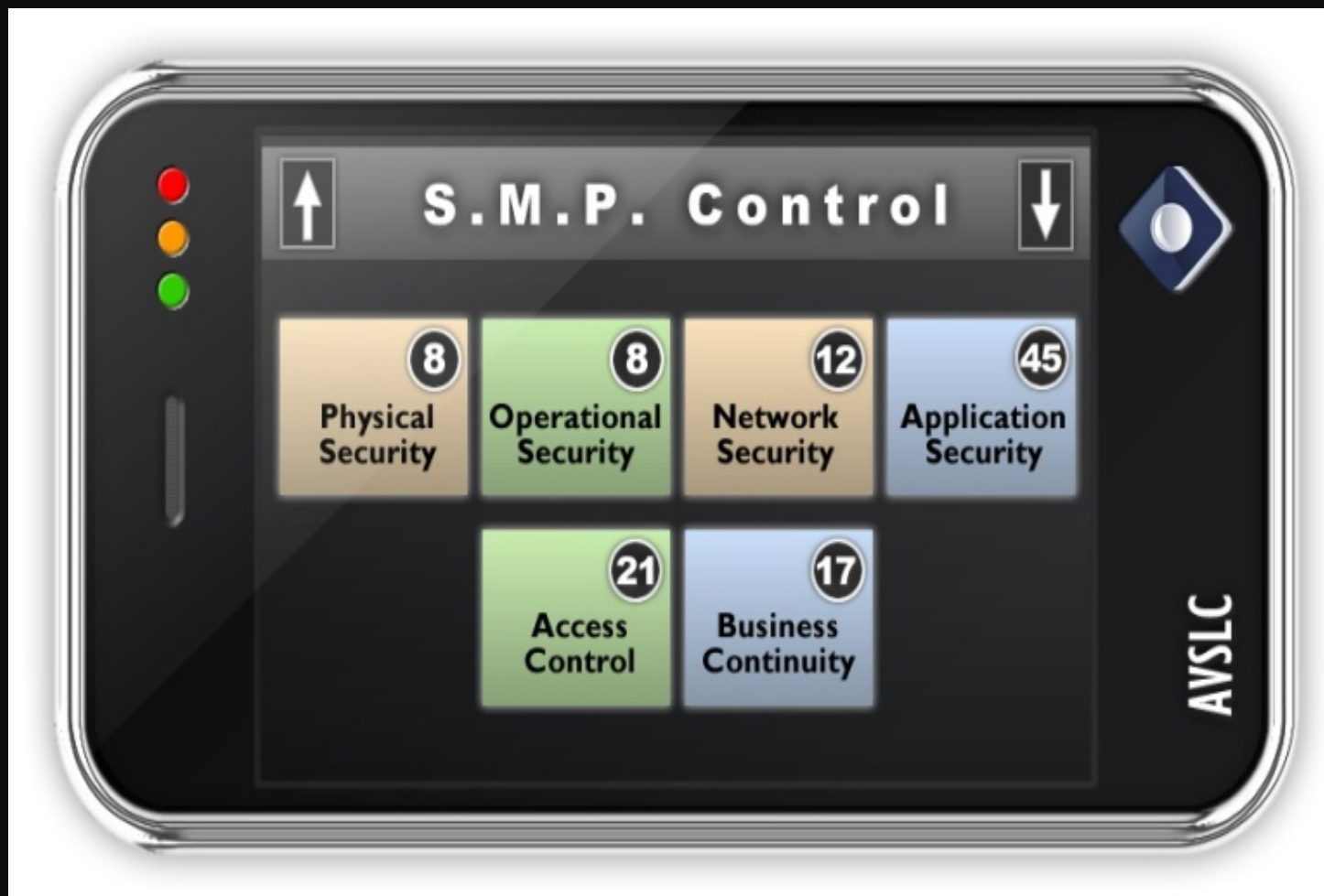
# AVSLC and the Security Management Process



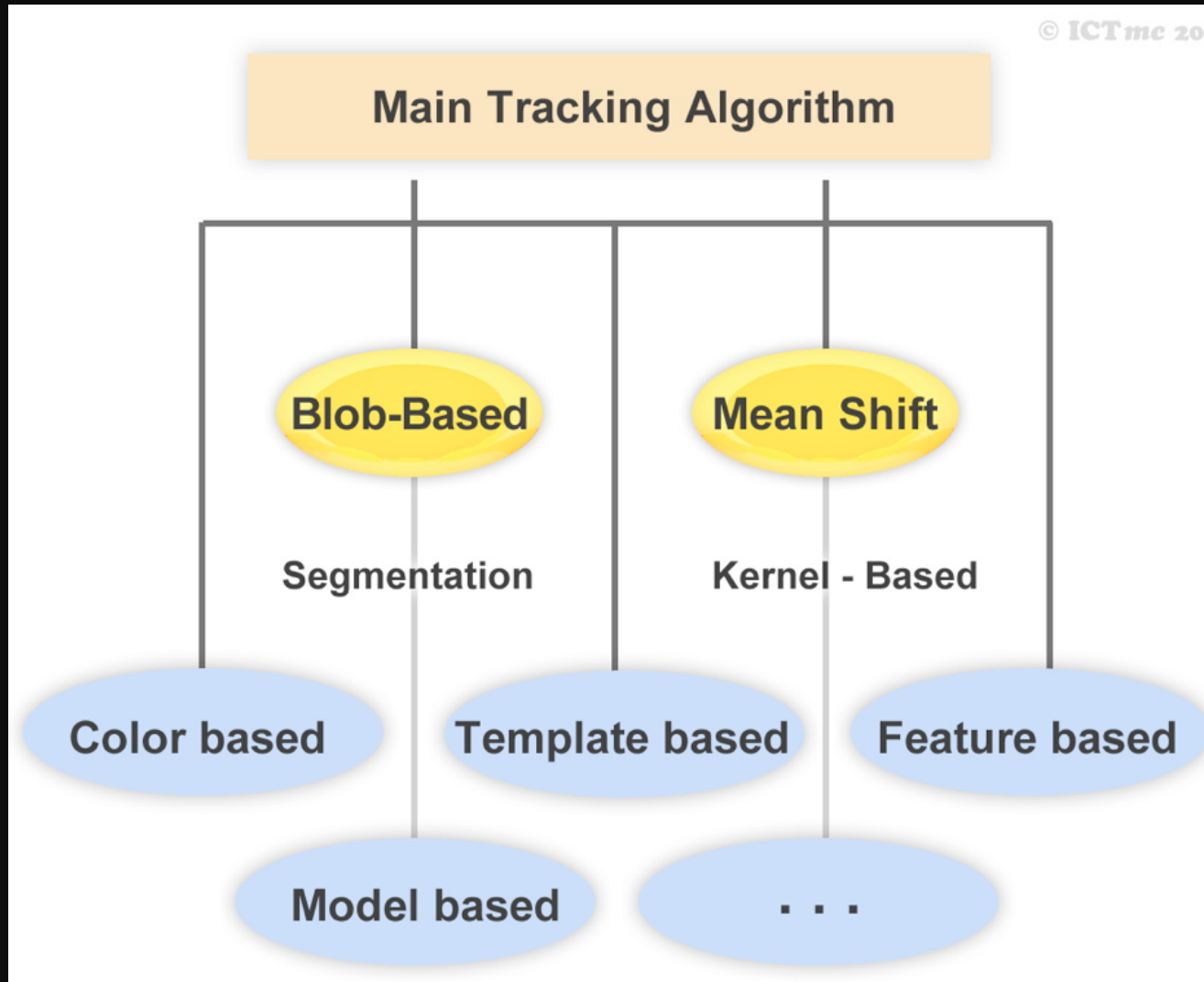
# Application: UltiNet



## Application : M.East



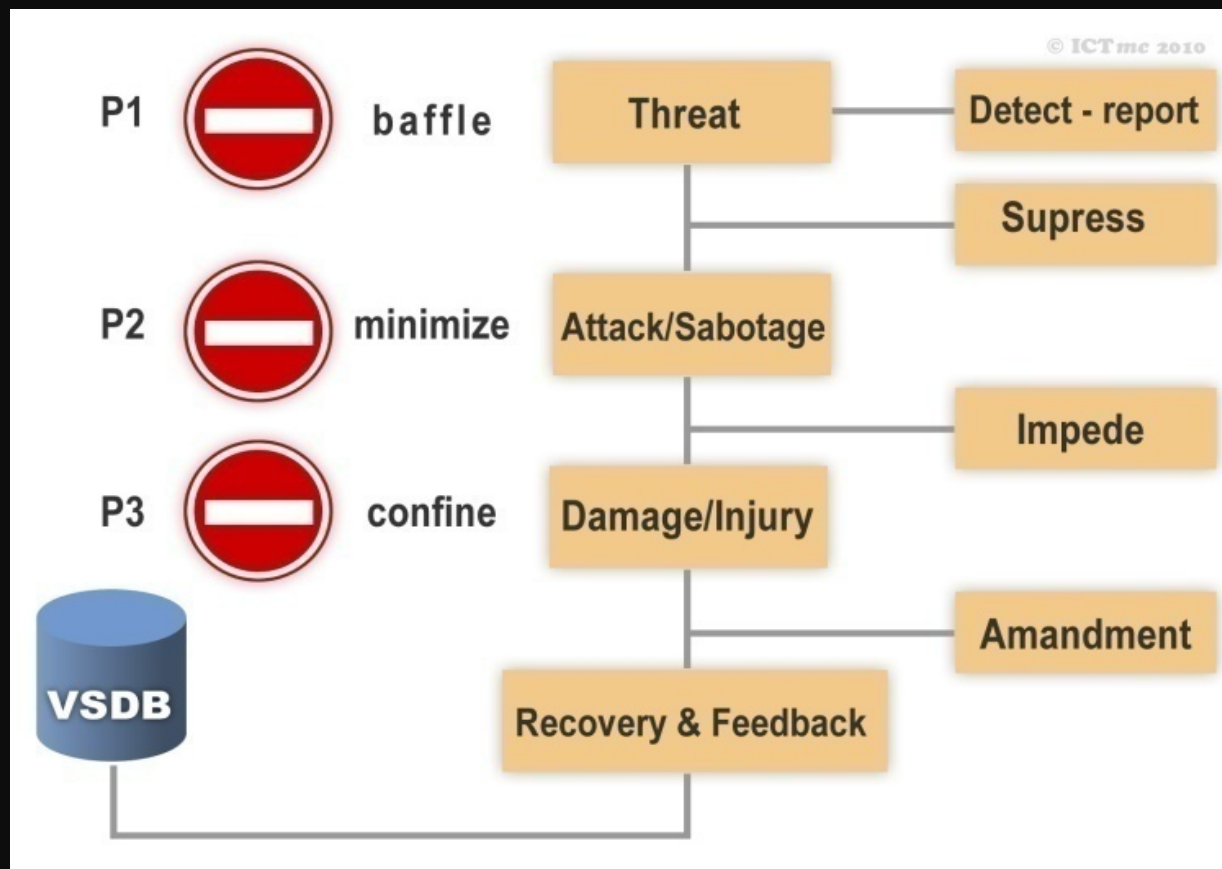
# Tracking Algorithms



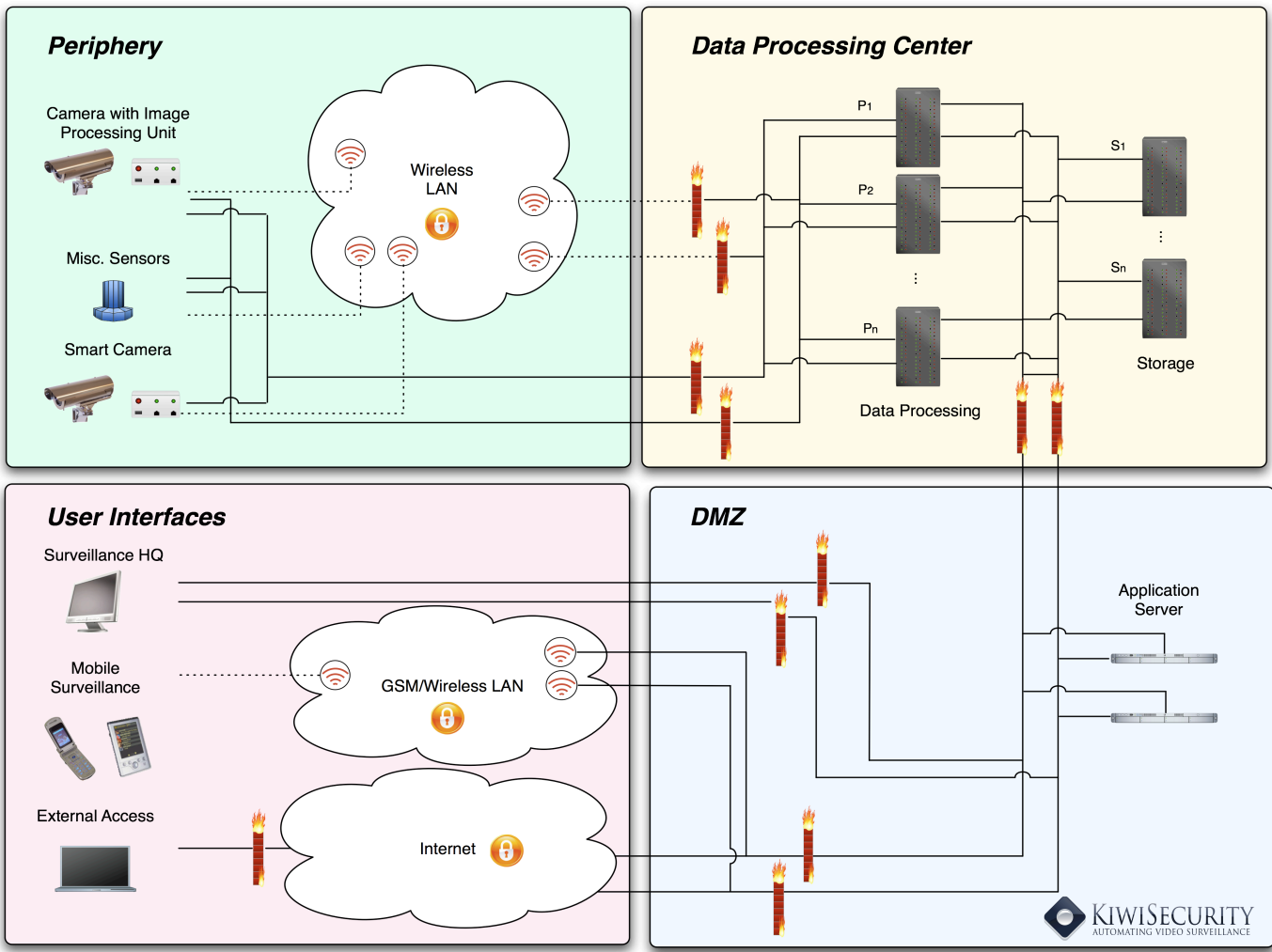
# AVS System Architecture



# AVS- Atate-Prevent-Eventf







# Advanced Surveillance Techniques:

Security Management Process

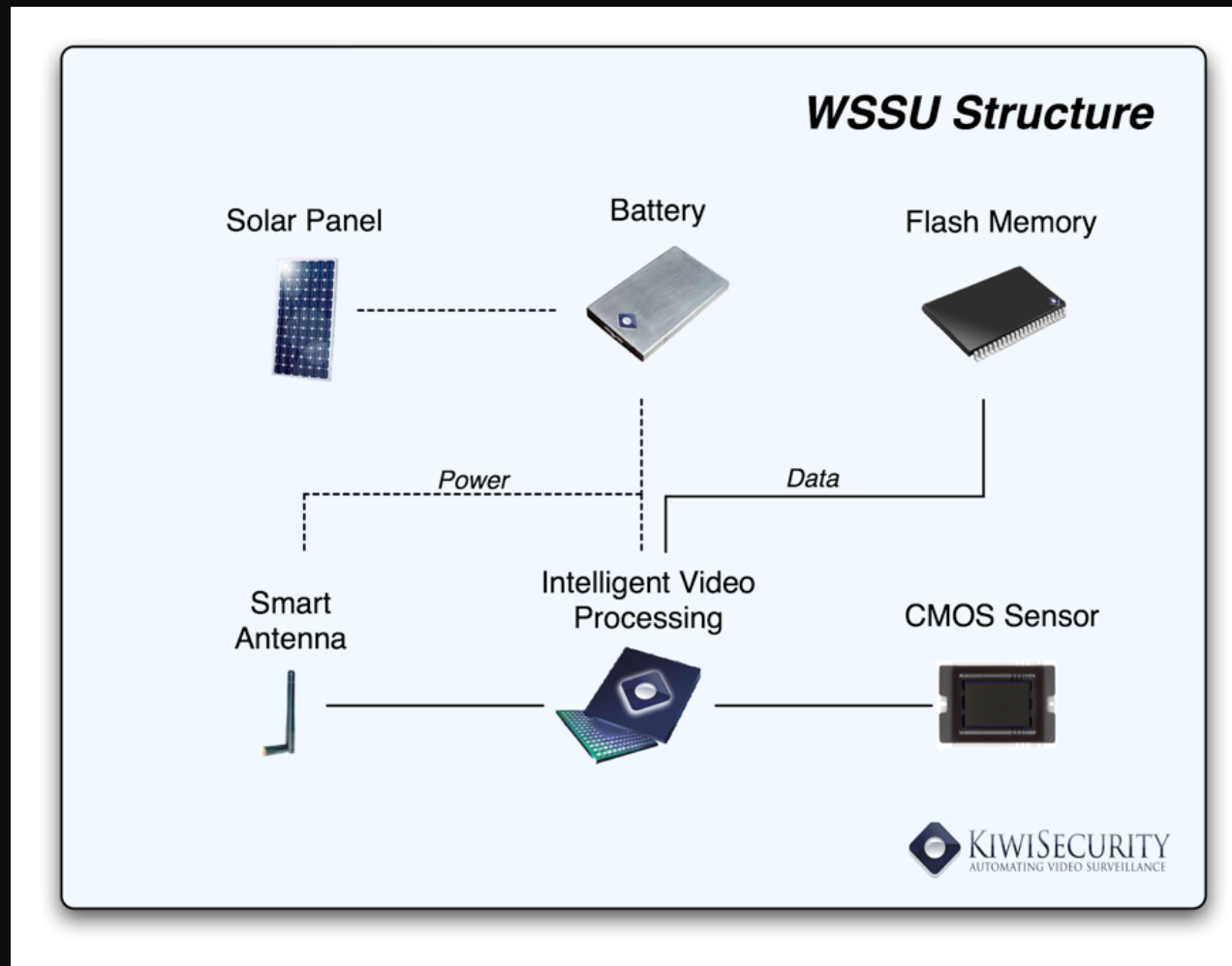
Video Surveillance Local Control

Nearly Indestructible System

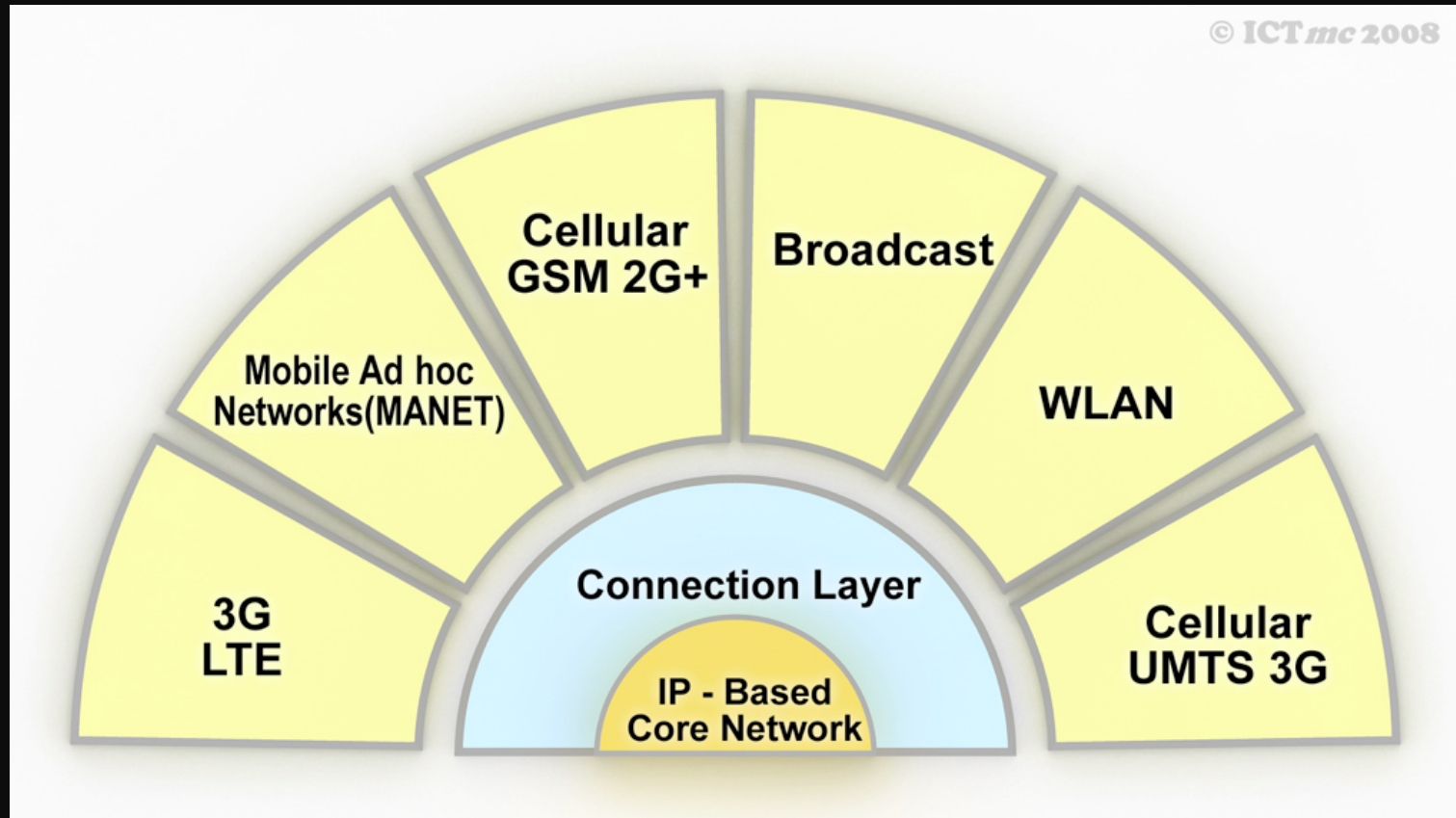
**Wireless Self-contained VS Unit**

# WSSU: Wireless Self-contained Surveillance Units

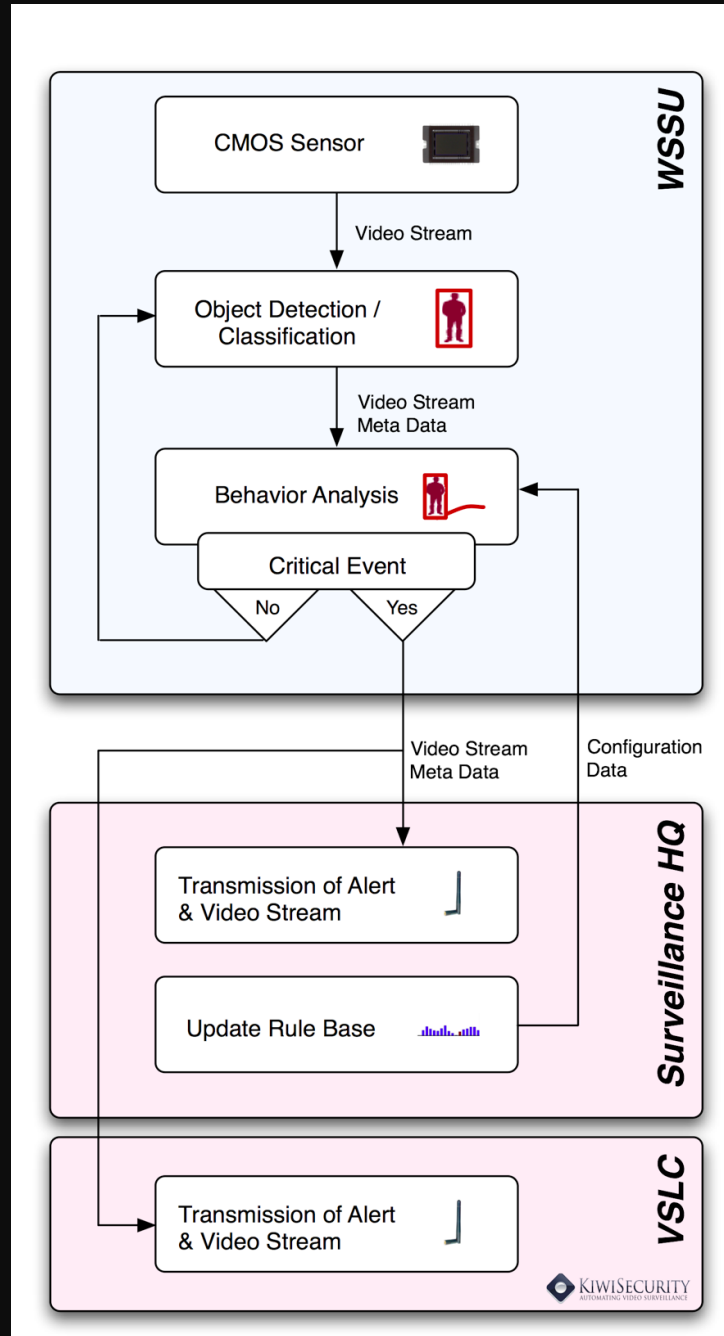
## General Structure



# WSSU: Seamless IP Network Connection for VS Applications



# VS System with WSSU & AVSLC



**Thank you, Florian Matussek**

**Matussek@kiwi-security.com**