



Shell Global Solutions

Wireless Instrumentation and Control-Related Communication

Berry Mulder – Shell Global Solutions Int. BV

WIB – Seminar

The Hague – 25-04-2007



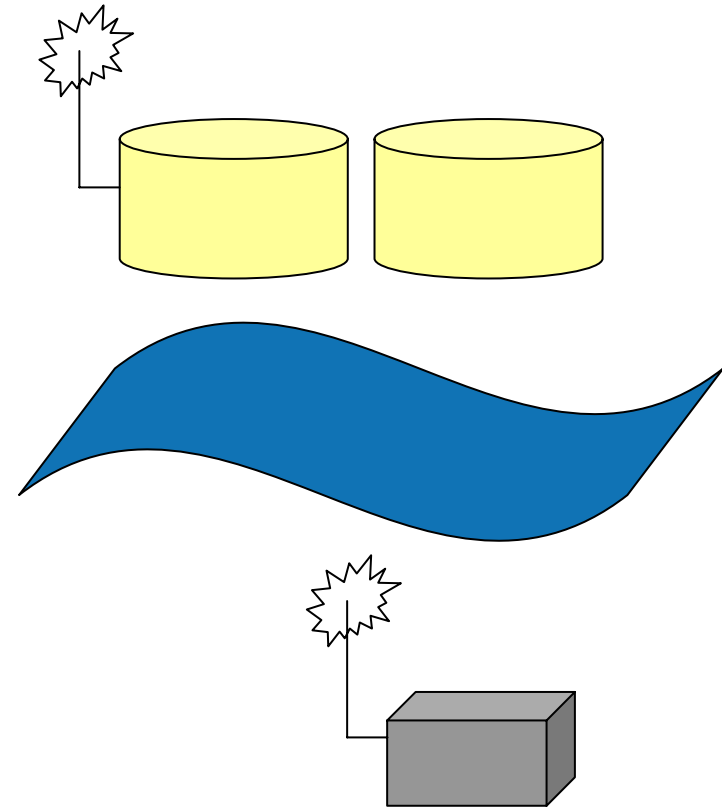
Contents

- Applications / Use-cases
- Architecture
- Challenges (SPIES)



The Need for Wireless

- Short-Term
 - “Across the river”
 - Temporary
 - Rotating Equipment
 - Quick Deployment



The Need for Wireless

- Short-Term
 - “Across the river”
 - Temporary
 - Rotating Equipment
 - Quick Deployment
- Longer-Term
 - Plant wide network
 - Operator-Tools
 - Mixed use of network
 - Creative Applications (Statistic Sensors)



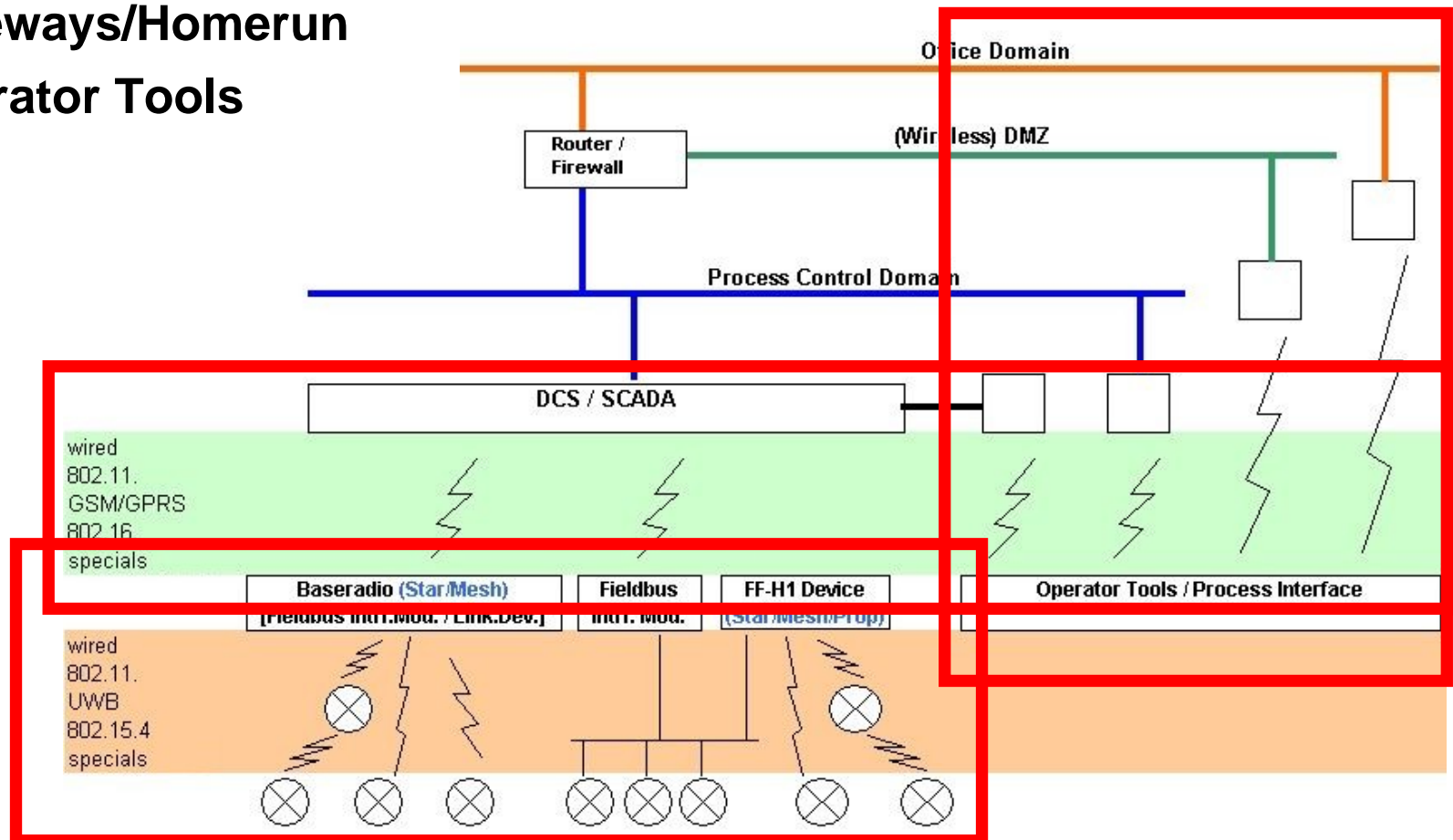
Categorisation / Architecture

Sensors

Gateways/Homerun

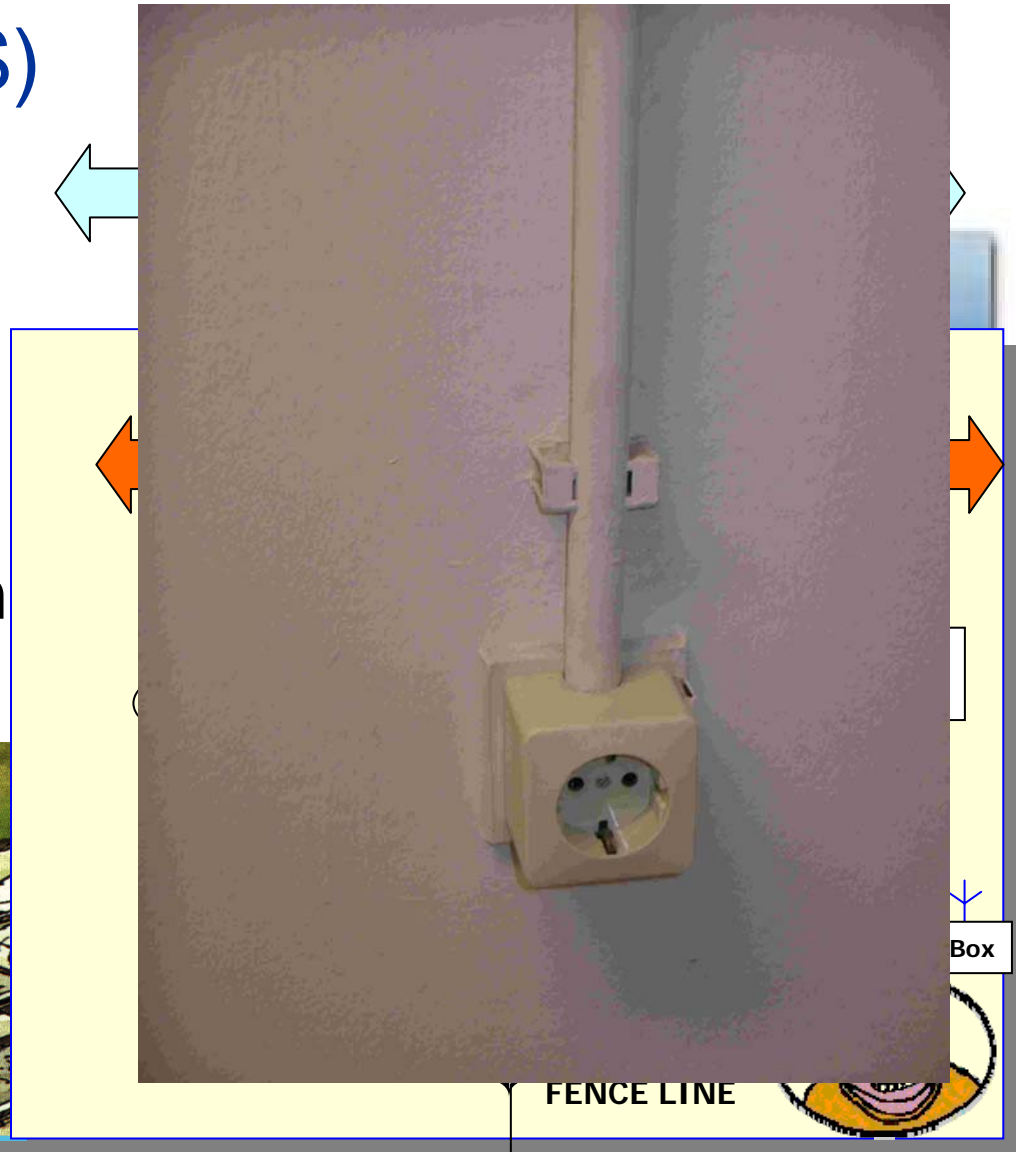
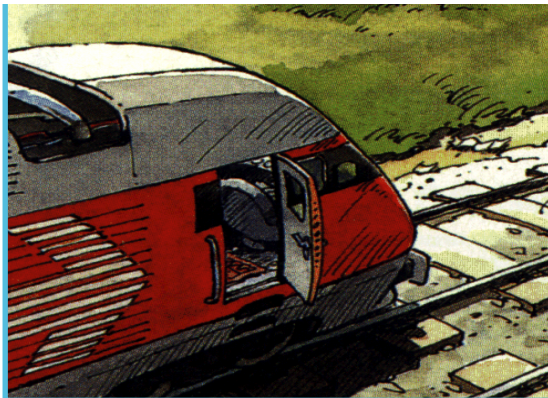
Operator Tools

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Challenges (SPIES)

- Security
- Power
- Interference
- (Process) Environ
- Standardisation



Message

- Stimulate !
- Challenge !
- One open standard !
- Participate !



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Thanks !!!!

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