

# **Irregularities and CFSI (Counterfeit, Fraudulent and Suspected Items) in the supply chain**

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4th ENSREG Conference on Nuclear Safety,  
Brussels, 28-29 June 2017

# Irregularities and CFSI in the supply chain

## **Examples:**

- NPP Flamanville: large carbon segregations not documented before RPV assembly
- Creusot Forge: counterfeits – possibly fraudulent actions
- Incomplete documentation of manufacture (example: Belgian RPVs), - thousands of flaws not detected after manufacture but 30 years later (NPPs Doel 3/Tihange 2)
- Incidents not documented during manufacture (example: welds in the NPP Temelin 1 primary circuit)

## **Possible causes:**

- Economic pressure - on all levels (manufacturer, licensee, nuclear authority)
- Political influence - on all levels
- Complexity of processes to be inspected, staff shortage
- History of “light” quality control inspections
- Fraudulence, sabotage, unawareness of the safety relevance

# Irregularities and CFSI in the supply chain

## Actual situation:

Safety culture deficiencies on all levels (manufacture, operation, regulation)

## Proposal/Recommendation:

WENRA should promote a broad and open public discussion (including politicians and economists) on the mandate and responsibility of Nuclear Authorities:

either

- maximum safety for population and environment – national and abroad

or

- pragmatic regulation based on “economic safety-ALARA”