

## New Governance and integrated Risk Management model (reliability, safety, security and resilience under Industry 4.0)

Governance, Integrated
Risk Mgt. and Compliance
(GRC)

Process & Infrastructures Mgt.: Reliability and

Safety (Operation, RAMS, PLM, Maintenance, BIM)

**Environmental Safety & Climate change afection** 

**Emergencies Mgt.** 

(Disaster/Crisis Preparation, Civil Protection collaboration)

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People
(safety-security culture)
Industry 4.0 &
Enabling
Technologíes

**OSH**: Safe working environments, PPE, safety systems,... (towards corporate wellbeing)

Safety-Security & Resilience Plans (business continuity, CI dependencies. indicators,...)

**Cyber-Security** (Industrial Information Systems)

Corporate Security (protection of staff, infrastructures and K./IP...)

Human Factor in Security (Personnel Security)

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## **ETPIS2: Technology Innovation Circles**

Safety & Reliability 4.0

Smart-safe Work Environments, Process & Infr. safety, RAMS, PLM, BIM, Collab.Robotics, IA/VR/AR, Safety systems

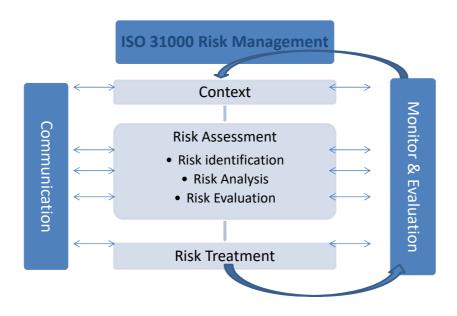
Industry 4.0
KET (IT/OT Tech.)
Safe-Sec Culture
Governance &
Resilience
(GRC)

Industrial Security (security systems, safety-security integration, CIP, DRS, ICS Cybersecurity)

Human &
Organizational
factors (OSH,
commitment, K
Mgt., generational
issues, training
awareness)



## **RISK MANAGEMENT (generic ISO 31000)**



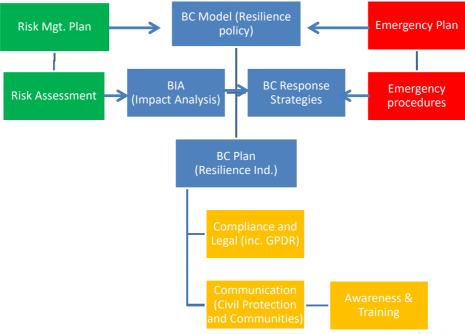
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## **Bussines Continuity, Risk and Crisis Management**

(integrated ISO models: 31000 - 223xx)



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