



# Water supply & cybersecurity

9 December 2020

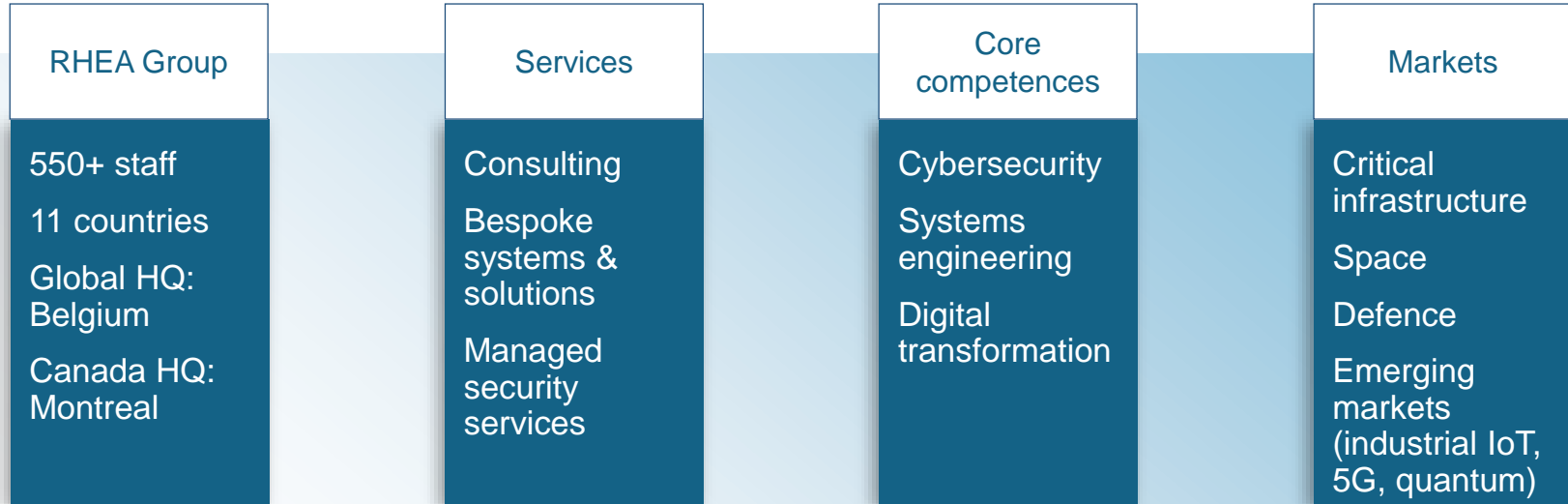
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# About RHEA

## MISSION STATEMENT

**TO OFFER EXPERT SERVICES AND TAILORED SOLUTIONS  
UNDERPINNING CRITICAL INFRASTRUCTURES, IN SPACE AND ON EARTH**



# Montreal water supply Key figures

550

million m<sup>3</sup>  
annual production

25%

production decrease  
since 2001

3<sup>rd</sup>

largest wastewater  
treatment plant in the world

4400

km  
distribution network

# Key findings

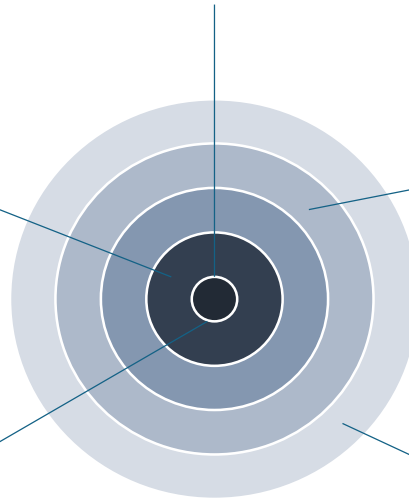
## STRATEGIC ACTIONS TOWARDS ENHANCED CYBERRESILIENCE

### Cyber/Information Security

- Improve threat and risk assessment on water supply ICS with cyber-range tools
- Prevent cyberthreats to water services IT/OT networks with a security operations centre
- Share cyber-incident information with other city essential services

### Crisis/Incident Management

- Improve business impact assessment
- Update business continuity plans



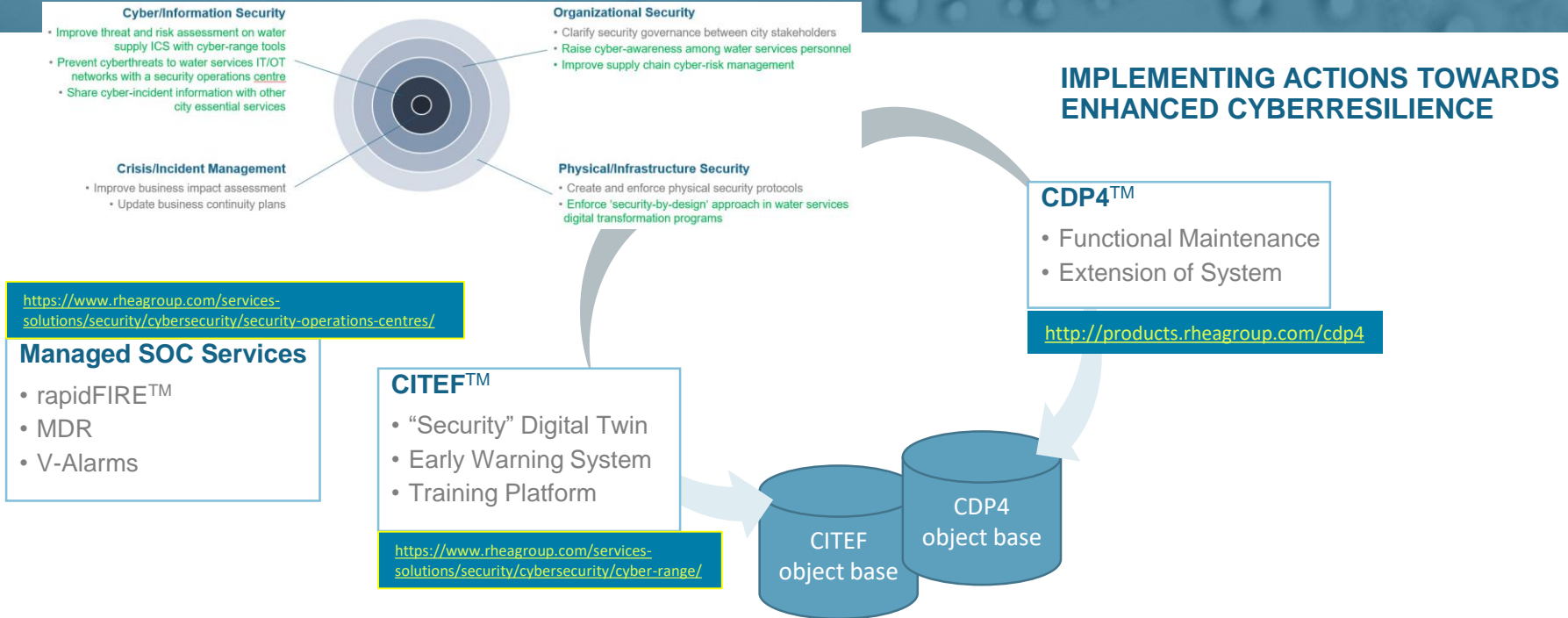
### Organizational Security

- Clarify security governance between city stakeholders
- Raise cyber-awareness among water services personnel
- Improve supply chain cyber-risk management

### Physical/Infrastructure Security

- Create and enforce physical security protocols
- Enforce 'security-by-design' approach in water services digital transformation programs

# From diagnosis to solution



<https://www.rheagroup.com/services-solutions/security/cybersecurity/security-operations-centres/>

<http://products.rheagroup.com/cdp4>

<https://www.rheagroup.com/services-solutions/security/cybersecurity/cyber-range/>



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