

Budapest Waterworks

Tradition and innovation



**BUDAPEST
WATERWORKS**

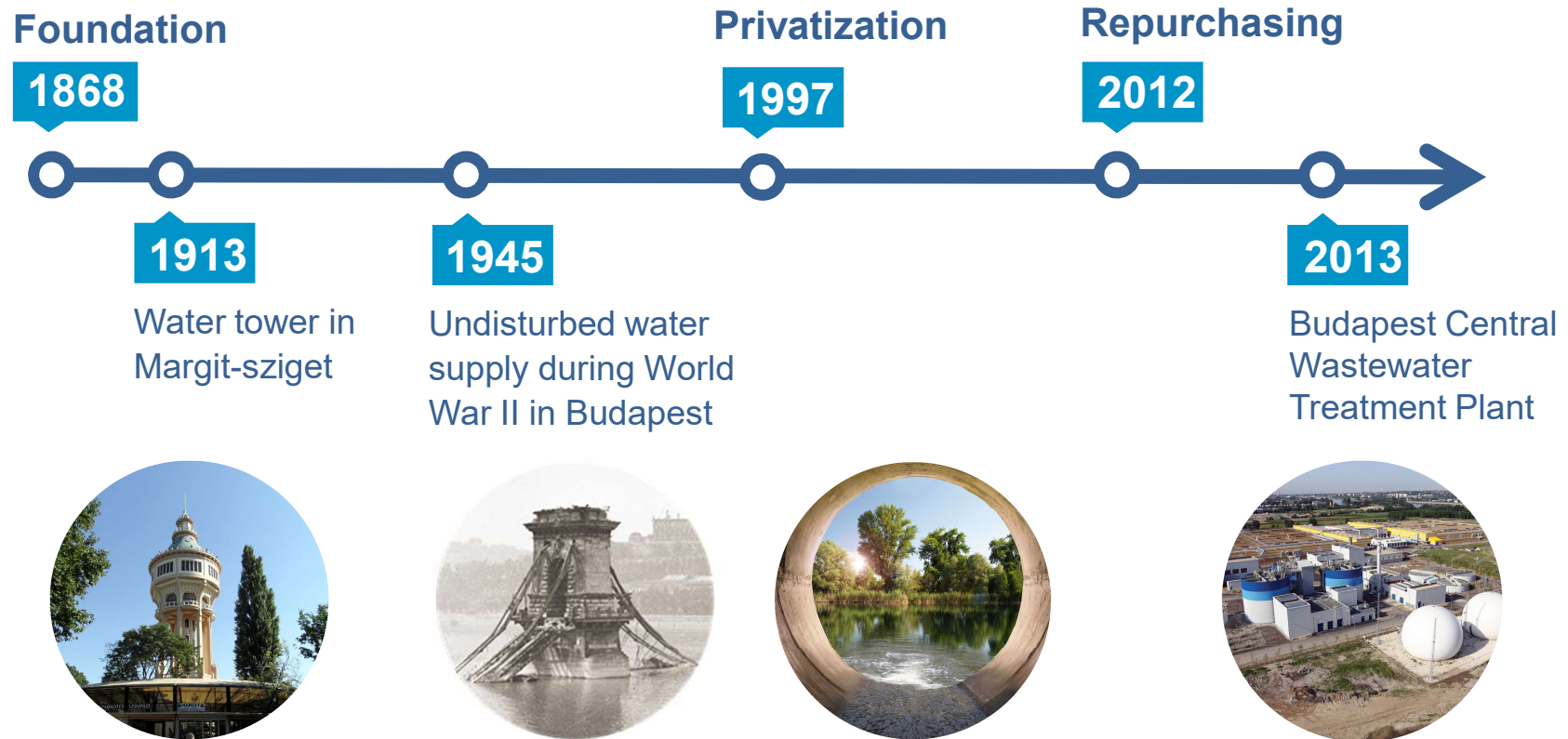
Worldwide
Water Solutions



Gold Standard for
Utility Performance

History of Budapest Waterworks

Tradition and Innovation



Key Indicators of the Company



Drinking water

- **7 173 km** water network
- **1 million m³** daily capacity
- **756** wells
- **2** water treatment plants



Sewage

- **593 km** sewer network
- **98 million m³/year** treatment
- **370 000 m³** daily capacity
- **7** wastewater treatment plants



Clients

- **2 426 000**
population served



Revenue

- 137 million USD** revenue*, of which:
- **87 million USD** potable water
 - **30 million USD** wastewater
 - **20 million USD** export and other

* 2018

Key competencies

Design and Construction

- Water facilities
- Sewage facilities
- Mobile Water Purification Systems

Services

Operations and Maintenance

- Optimizing organizational structure
- Efficiency enhancing
- Reducing physical or commercial water loss
- Water quality control
- Call Centre and telemarketing services
- Energy efficient improvement

Business Consulting


- Technical and financial audit
- Corporate restructuring
- Development of water pricing policy
- Development of efficient customer service systems
- Project management
- Development of corporate strategies

Engineering

- Pressure management, DMAs
- Water metering strategy and water balance
- SCADA
- Workforce management
- Reconstruction planning
- GIS

Regulatory framework

Act no. CCIX. is in force, wherein:

- all **natural resources** must be preserved
 - maintaining **water safety**
 - **supply and service** related responsibilities directly linked to the supplier
 - **polluter pays** principle
 - **regional waterworks** preferred to local
 - price influenced by **principle of solidarity**
 - **least expensive** solutions
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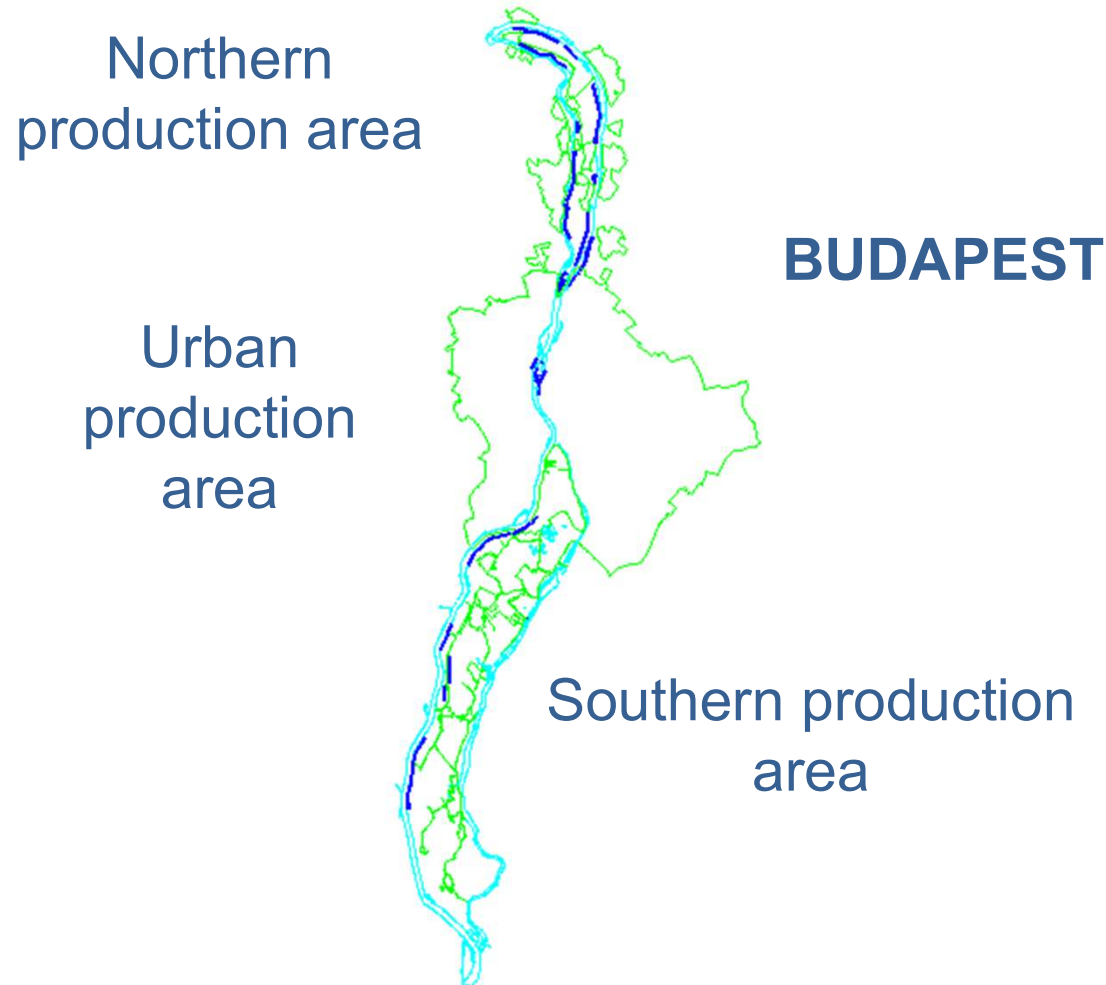
Innovation arrives through...

- **Self-funded actions:** internal initiatives, taking 3-6 months
- **National projects:** state-of-the art research
- **EU-funded projects:** consortium level for a defined product

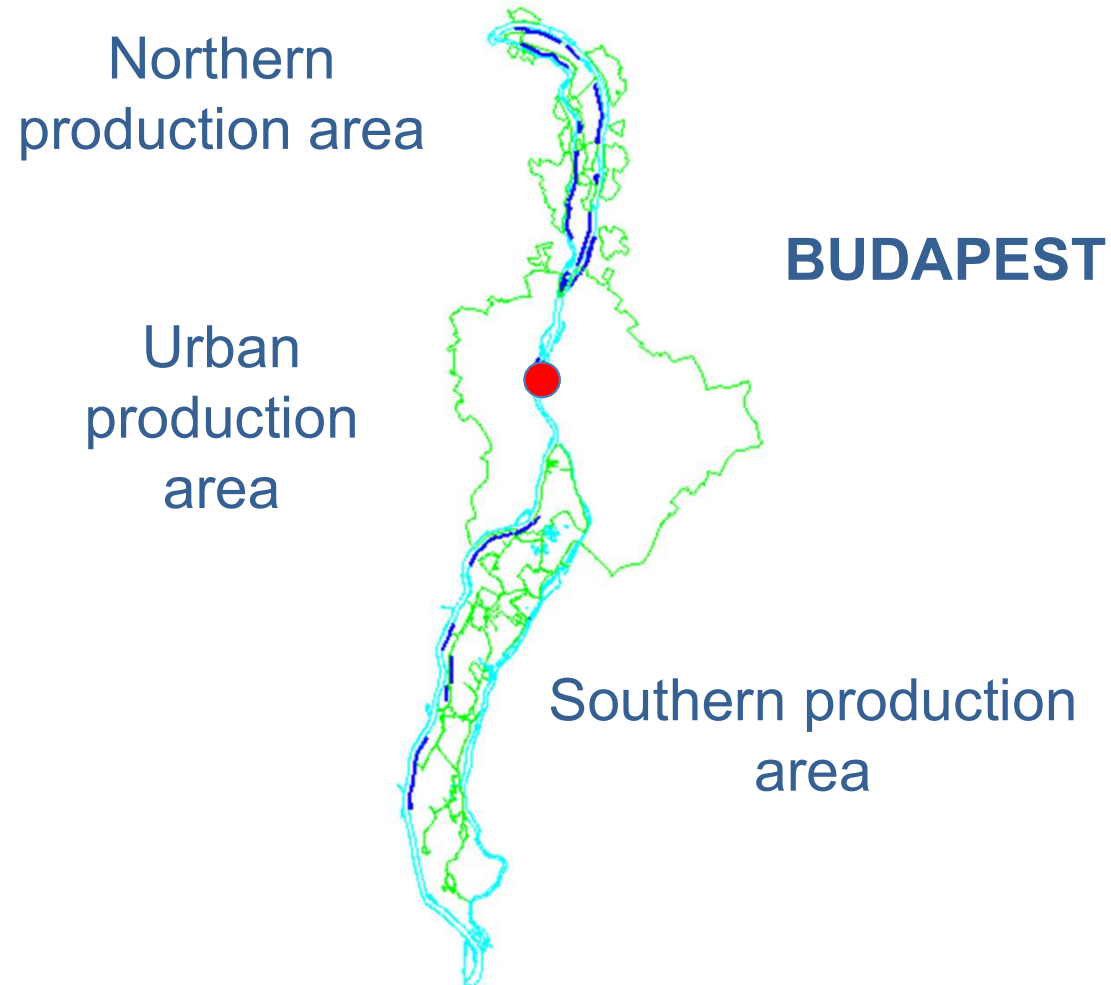
- **Industrial projects:** international cooperation applying tailored, innovative approaches



AquaNES – River bank filtration coupled with RO treatment



AquaNES – Site of RBF/RO

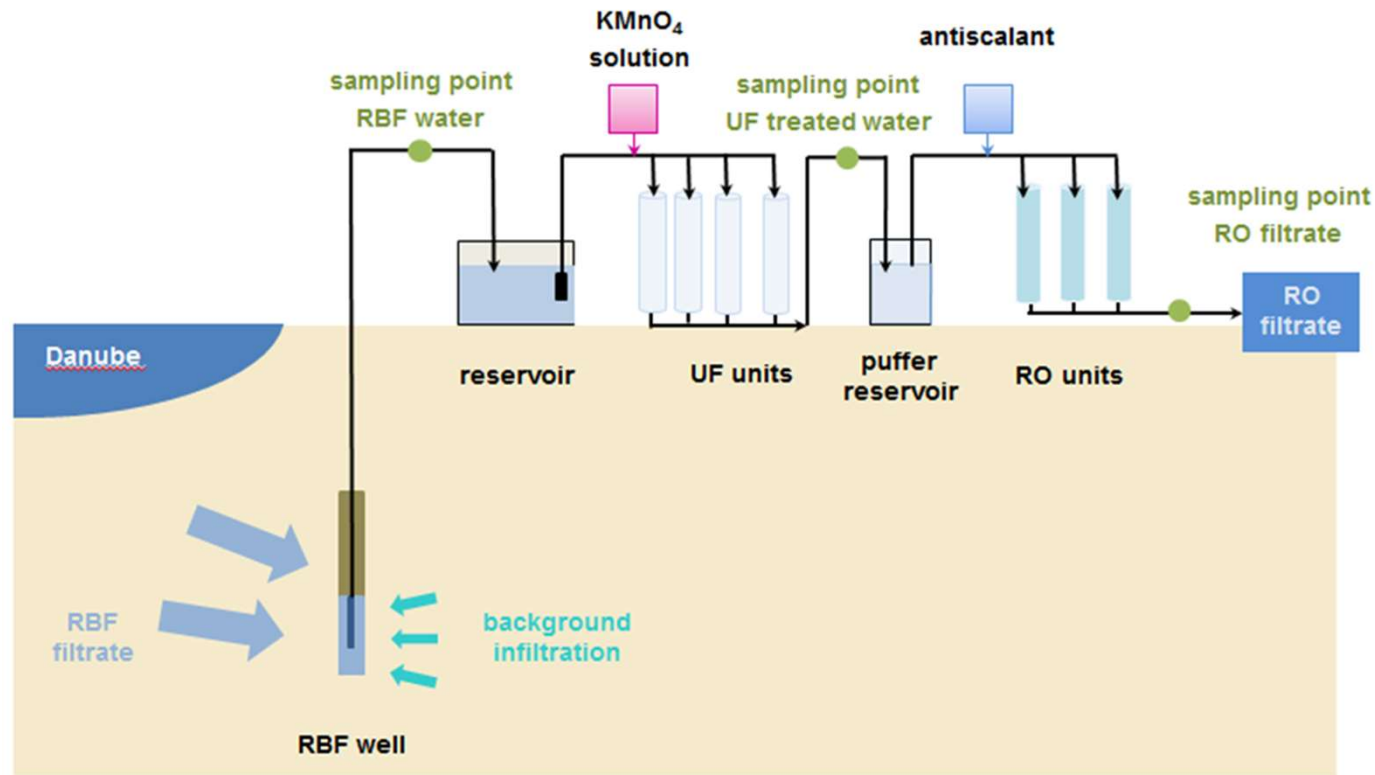


AquaNES – River bank filtration coupled with RO treatment

	2018								2019			
Month	6	7	8	9	10	11	12	13	1	2	3	4
Project month	24	25	26	27	28	29	30	31	32	33	34	35
Measurements, results collecting												
Data processing												
Evaluation												
Report preparing												



AquaNES – River bank filtration coupled with RO treatment



Thank you for your attention!

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