

Digital twins as an asset management layer

Jindřich Procházka



Innovation is already reshaping the water sector

New technologies, new data, new expectations.



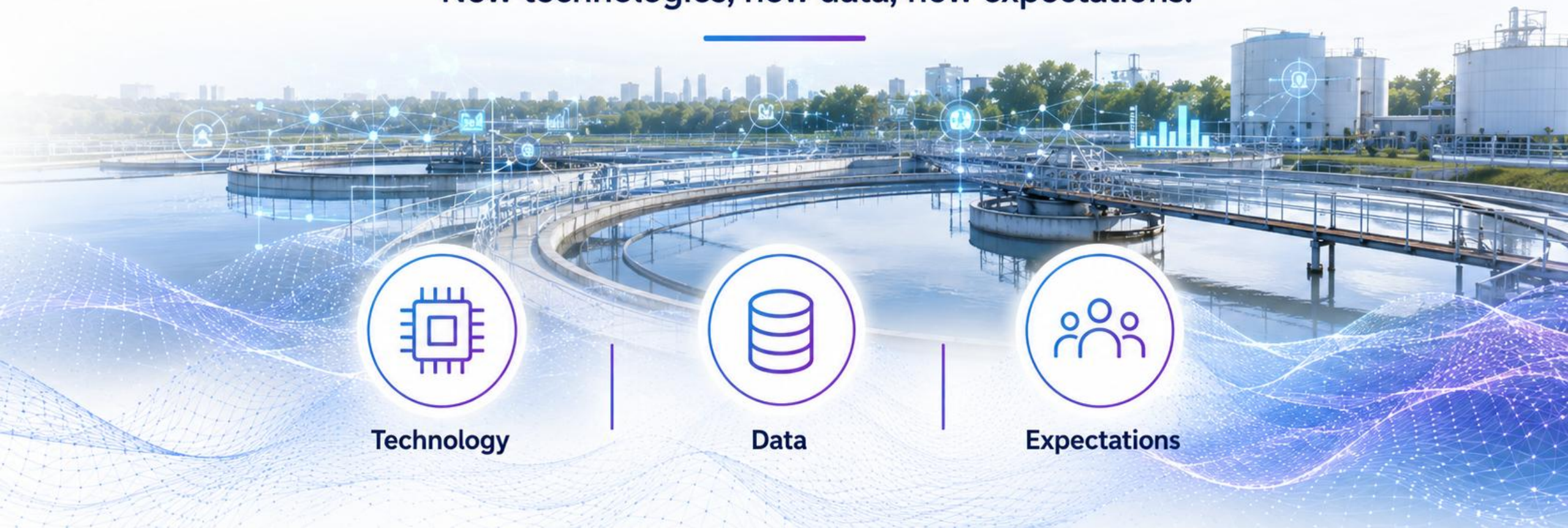
Technology



Data



Expectations



Infrastructure evolves through long cycles



Capital-intensive



Risk-sensitive



Long-lived assets

Gradual change is part of reliable infrastructure.

Digital twins as an asset management layer

Don't replace the asset.
Make it smarter.



Visibility

Understand asset performance.



Optimization

Improve operation and efficiency.



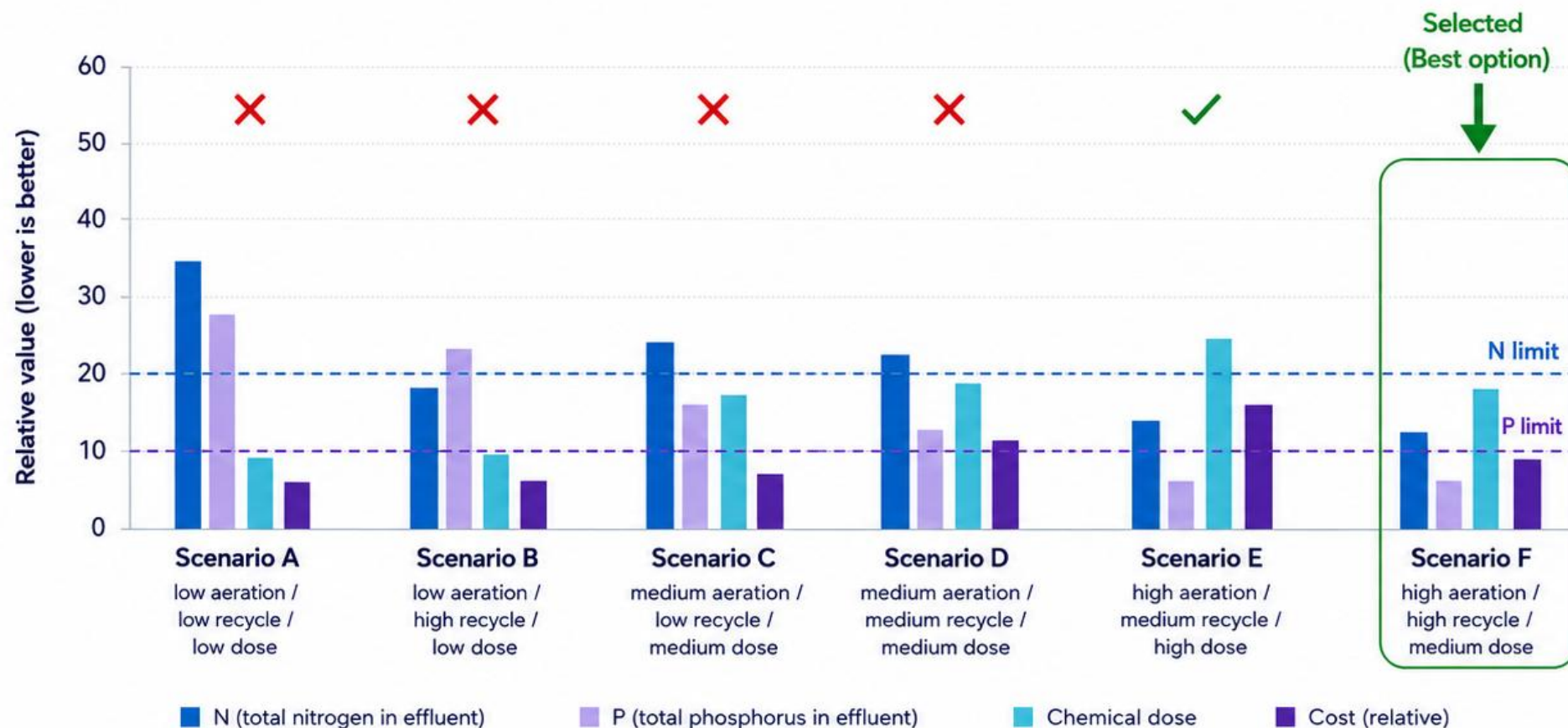
Resilience

Support decisions under changing conditions.

Digitalization turns existing infrastructure into actively managed infrastructure.

Scenario-based digital optimisation

The digital model evaluates multiple operating settings based on effluent quality and cost.



The model eliminates non-compliant scenarios and identifies the lowest-cost compliant option.

Resilient assets need digital intelligence

Digital twins help turn infrastructure
into an actively managed asset.



Thank you

Jindřich Procházka

www.aquiq.cz