

# Water Reuse Assessment Tool

## Objective

- In the current water-crisis context, water reuse projects are increasing priority for Total
- Decisions to invest in such reuse technologies are historically driven by economic profitability
- Other drivers such as water risks, environmental and social impacts could justify water reuse and should be considered while assessing a potential project

## Quantis Solution



Benchmark of water sustainability metrics



Expert advice, recommendations and workshops to assess and select most relevant indicators



Development of the Water Reuse Assessment Tool: a multi-criteria tool to support decision making for water reuse in a systematic and context-based approach

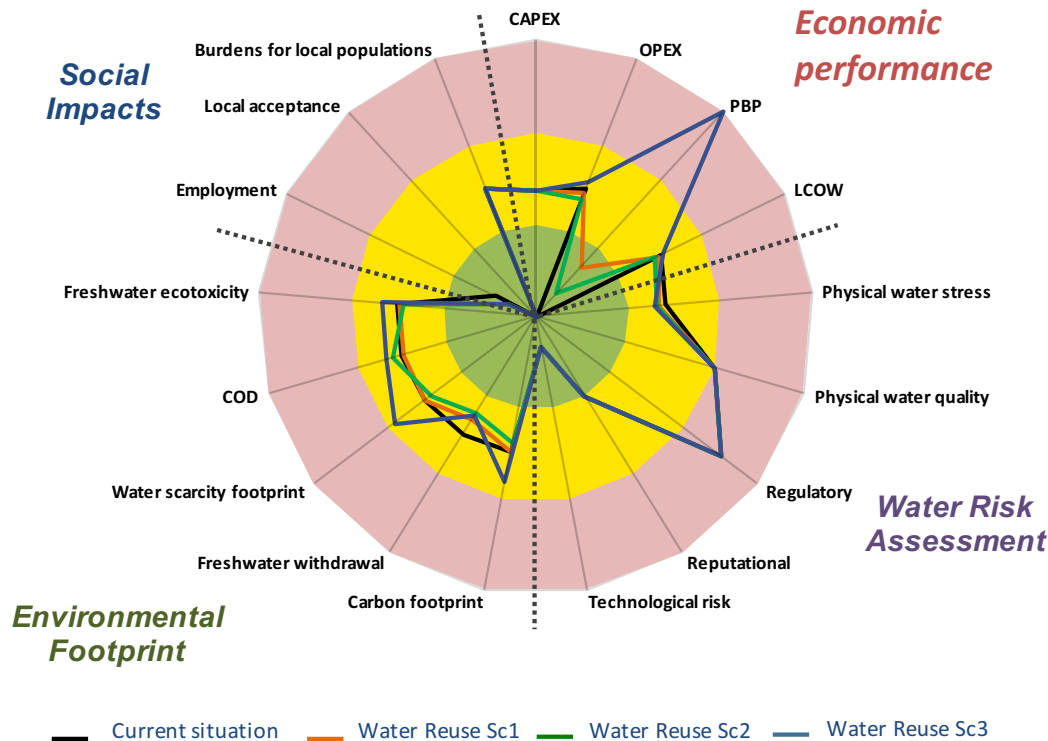
*“This interactive and multi-criteria approach enabled Total to select the most promising water reuse solution and to eliminate those that are not.”*

**Matthieu Jacob**  
Water Treatment  
Specialist  
Total

# Water Reuse Assessment Tool

The Water Reuse Assessment Tool addresses the following questions:

- Is the water reuse solution economically profitable?
- Are there any physical, regulatory or reputational water-related risks? Does the water reuse project allow mitigating them?
- Does water reuse reduce or increase the environmental footprint?
- Does water reuse generate positive or negative social impacts?
- What is the performance of alternative water reuse solutions compared to the current situation?



## Key findings

- Developing such science-based assessment methods for prioritizing investment decisions allows Total to evaluate the actual benefit of water reuse considering all sustainability dimensions
- Regarding the environmental, water risk and social aspects, the tools permits Total to move from empirical and perception-based decisions to quantified-based decisions