Water Sustainability Consulting Services

SprintlyWorks©

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About SprintlyWorks

About

SprintlyWorks©

SPRINTS-AS-A-SERVICE

Answer Big Questions &
Deliver Sustainable Impacts

Visit Our Website

- Established in 2018
- Headquartered in Helsinki
- Headcount: 15
- 100+ projects delivered

We advise top management across industries...

Industrials	Metals & Mining	Chemicals
Healthcare	Oil & Gas	Automotive
Consumer Goods	Pulp & Paper	Utilities

...on most pressing & complex problems in:

Manufacturing	Corporate Finance & Strategy
Supply Chain	People & Organisation
AI & Technology	Business Development
Operations	Sustainability

Recognition & Awards

Featured on World Economic Forum for being a trailblazer in Future of Work

One of The Top 8% Achievers in 2024 ranked by Kauppalehti – Finland's largest economic publication

Customers appreciate our impact

ABB

> *"**The work of the team was important** in increasing the level of awareness and urgency on the selected subject internally.*
>
> ***Director, ABB***

Kemira

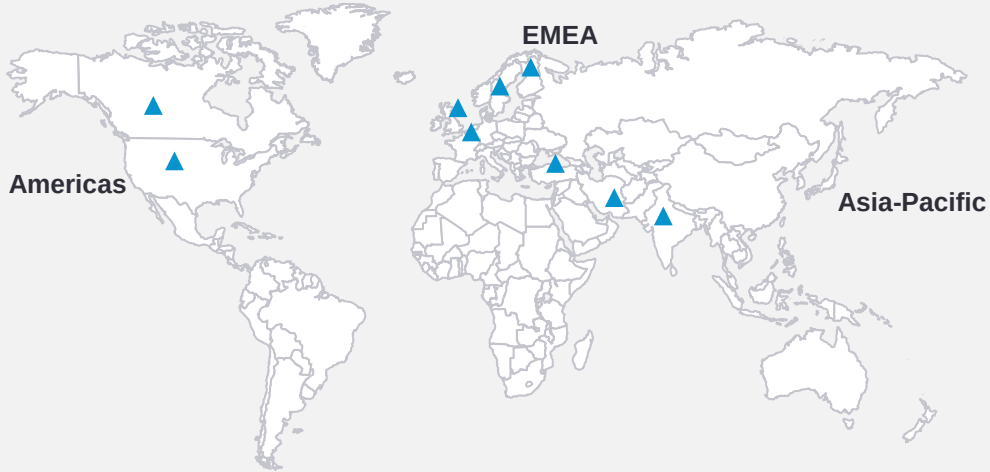
> *"I have to say that from quality perspective team exceeded all targets. **Fast, intense – "Sprint Manner"** way of working showed well its power.*
>
> ***Senior Vice President, Kemira***

TOYOTA

> *"I have completed 23 years in the industry and I'm not that easily impressed but I must **say astonished by the result** you have here.*
>
> ***Director Strategic Innovation, Toyota - Material Handling***

We have 50+ country research experience, with sector knowledge in Chemical, Industrial Equipment, Paper & Pulp to name a few

- Deep geographic coverage, we have conducted market interviews in 50+ countries namely.
  - **Americas** – US, Canada
  - **Asia** – India, UAE
  - **EMEA** – Finland, Sweden, UK, Germany
- This help customers in building comprehensive knowledge of their business worldwide with strategic decision-making.



Our Notable Customers:

NOKIA SIEMENS GE TOYOTA ABB Fazer UPM storaenso ANDRITZ VATTENFALL
kemira SANDVIK FINNAIR Metsä fortum Alko Danfoss NESTE essity st1
L&T Valmet Huhtamaki outokumpu elisa PAULIG Orkla VAISALA posti

Our in-house capability

Team to lead, supervise, and drive the project

Partner

Rahul Abhisek

- **Background:** MSc Business and Design from Aalto University, Finland
- **Notable references:** Bill & Melinda Gates Foundation, Kemira, ABB, GE, Stora Enso, UPM

Director

Tuomas Marttila

- **Background:** MBA from IMD
- **Previous experience:** Bain & Company and private equity across multiple industries, with a focus on industrial goods and services and energy.

Senior Consultant

Quy Pham

- **Background:** MSc. in Finance & CEMS from Aalto University
- **Previous experience:** Lead and delivered 30+ projects across multiple industries, like Energy, Pulp & Paper, Consumer Goods

Consultant

Jongsuk Hyun

- **Background:** MSc. in Management from London Business School
- **Previous experience:** Lead & delivered 10+ projects across a variety of sectors, like Chemical, Industrial Equipment and Food & Beverage

Knowledge Analysts

Lam Nguyen

- **Background:** BA, Economics at Foreign Trade University of Vietnam
- **Previous experience:** Designed market strategies & opportunity diagnosis in APAC region for 10+ European clients

Nanak Moolchandani

- **Background:** BCom Honors at Delhi University
- **Previous Experience:** Led & executed more than 20+ projects for clients across Sustainability, FMCG, Digitalization in EMEA and APAC

Aalto University

Bill & Melinda Gates Foundation

Bain & Company

IMD

E.ON Inhouse Consulting

EY Building a better working world

Bain & Company

London Business School

BCG

ARC Consulting

NRI

We built a strong pipeline of rockstar talents!

Global Talent Pool

... From Top-tier Universities

... Across 10 European Countries

... In Different Specialisations

Finance	Supply Chain
Strategy	Data Analytics
Sustainability	Industrial Engineering
Marketing	Business Law

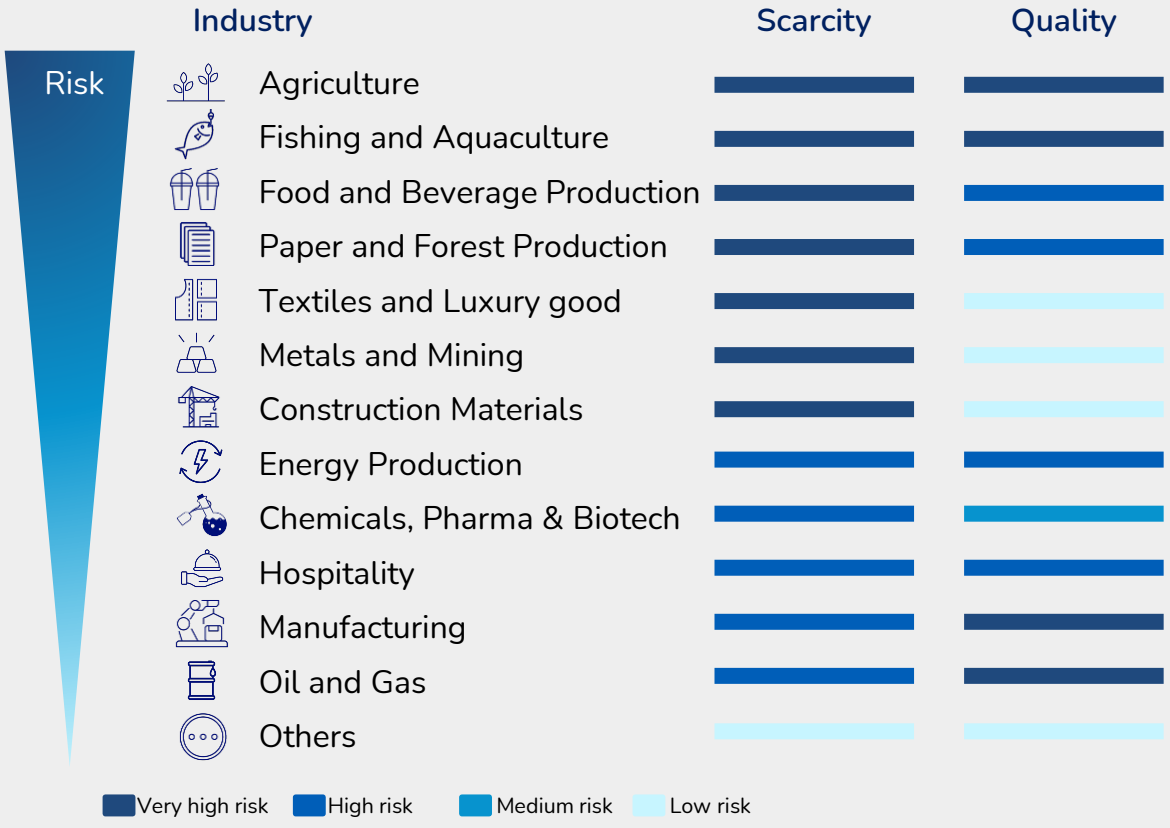
Available associates for 2025

Talent's University		*Experiences*
	***Ni*** MSc in Finance Aalto University	BAIN & COMPANY
	***Meriem*** MSc in Marketing Stockholm School of Economics	McKinsey & Company
	***Dario*** MSc in Business Bocconi School of Management	Husqvarna
	***Simon*** MSc in Finance and Economics London School of Economics	LEK
	***Haytham*** MSc in Strategic Management HEC Paris	BCG

2000+
Talents...

Overview of global water challenges

Water scarcity and quality risks are placing pressure in major industries worldwide...



Source: WWF Biodiversity Risk Filter (2023)

...primarily due to governance failures

- Intensifying Climate Change Affecting Water Cycle & Precipitation
- Expanding Population & Urbanisation Driving Unsustainable Demand
- Aging & Under-invested Water Infrastructure
- Degrading freshwater ecosystems increasing risk of flooding

All three types of water risks can result in worsened financial impacts for business which negatively impacts investors' financial investments.

1 Physical Risk

- Operations in water-scarce or flood-prone regions face disruption risks
- Poor water quality or ecosystem degradation can impact business operations
- Heavy reliance on water resources increases operational vulnerability

2 Regulatory Risk

- Weak or poorly enforced water regulations pose compliance challenges
- Regulatory changes or fines can disrupt operations
- Lack of preparedness for policy shifts increases operational risk

3 Reputational Risk

- Poor water management can damage brand image and stakeholder trust
- Negative media attention or community conflict may arise from unsustainable practices
- Operating in high-risk water basins increases reputational exposure

Source: WWF

SprintlyWorks Water Sustainability Offerings

SprintlyWorks support businesses tackle every water challenge

Business Challenges	Solutions we Provide		
Water Scarcity Disrupting Operations	**Water Risk Assessments** Deep dive next slide	Water Efficiency Strategies	Alternative Sourcing Models
Poor Water Quality Impacting Production Processes	Water Treatment Optimization	Process Adaptation Consulting	Supplier Diversification
Floods Causing Plant Shutdowns	Flood Risk Modelling	Business Continuity Planning (BCP)	Infrastructure Resilience
High Dependence on Water for Production	Water Footprint Analysis	Closed-loop Water Systems	Alternative Water Sourcing
Ecosystem Degradation Leading to Water Shortage	Ecosystem Impact Assessment	Sustainable Manufacturing Practices	Stakeholder Collaboration

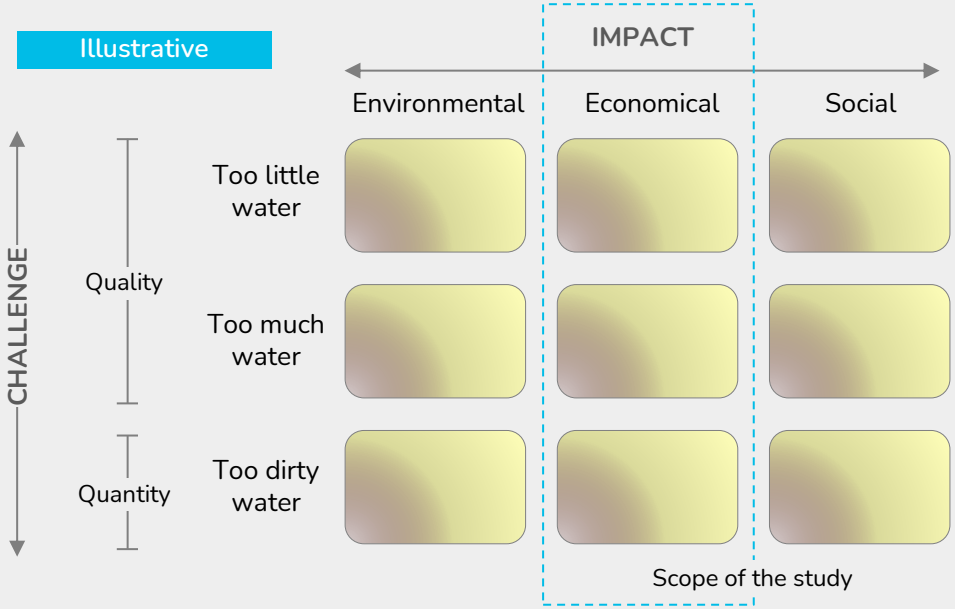
Our methodology for emerging topics under water risk assessment

	ASSESS	DEVELOP	IMPLEMENT	MONITOR
1 Water Resource Dependency (Operations)	Assess water usage, source dependency, and water intensity in operations.	Recommend water reduction targets and efficiency strategies. Provide benchmarking insights for similar industries/companies	Implement water efficiency measures.	Track reduction progress through data insights and operational benchmarks.
2 Physical & Climate Water Risks	Identify water-stressed areas, climate change impact, and physical water risks.	Develop water risk mitigation strategies. Recommend alternate sourcing, water storage solutions, and impact analysis.	Deploy mitigation measures.	Evaluate risk reduction impact using data models. Provide forward-looking insights.
3 Community Water Impact	Analyze shared water challenges in the community (e.g., depletion, contamination). Identify social water risks.	Recommend social water stewardship strategies (e.g., community access, conservation projects).	Execute community water conservation projects.	Measure community water availability improvement. Provide social impact assessment.
4 Water Governance & Compliance	Assess current governance frameworks, regulatory risks, and reporting gaps.	Develop a water governance roadmap (reporting standards, policy frameworks).	Implement internal governance measures.	Track governance performance through audits. Provide benchmarking.

Our Framework

The Water Impact Matrix consolidates key water challenges...

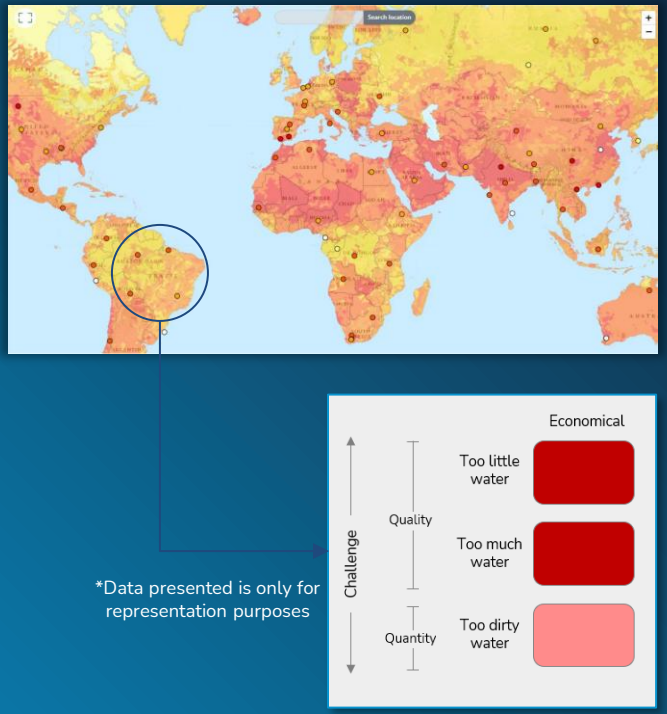
Illustrative



Note: The matrix shown here is a template version, with risk values not filled in. Water challenges can be acute (such as flash droughts) or chronic (such as long-term water scarcity). Both types are considered here.

Source: WWF Risk Filter, SprintlyWorks Analysis

...to analyse the impact on businesses in key hotspots



*Data presented is only for representation purposes

Case Study

Executive Summary

We helped MiningCo. analyse water scarcity in key mining sites and map out the water value chain to identify innovations to optimise water in mining process

ABOUT OUR CLIENT

- Water scarcity has been identified as a key theme for customers identified by Sustainability Customer Task Force in 2024
- MiningCo. would like to better understand the state of water scarcity in key mining sites and map out the value chain of water management for mining and mineral processing

OUR CLIENT NEEDS

UNDERSTAND WATER INTENSITY IN KEY MINING SITES

- Understand the water usage on specific customer mining sites in different regions and pinpoint the regions where customer face water scarcity most (e.g., South America)

MAP OUT THE WATER VALUE CHAIN AND ECOSYSTEM

- Map out the value chain of using & managing water during the minerals mining process and map the key technologies and services used during each stage.

OUR APPROACH

Analyse water consumption at key mining sites

- Understand the historical and projected water consumption in key customer sites across main mineral groups: iron, copper, nickel, lead, zinc, aluminum, etc. Analysed social, economical and environmental impacts of water scarcity on customer operations.

Map value chain and ecosystem of water management

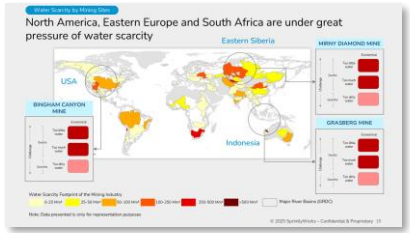
- Interview experts to map out the end-to-end value chain of water in mineral processing & detail how water is extracted, used & managed.
- Identify key players in the water management ecosystem for potential partnerships for product innovations.

Recommend water technologies for mining operations

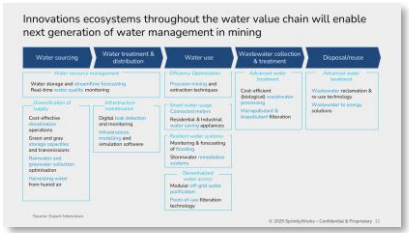
- Review current water-related offerings and identify gaps with customer needs
- Conduct a competitive analysis of existing water management solutions in the mining sector

OUR DELIVERED VALUE

1 12+ mining sites analysed and 50+ risks impacts derived



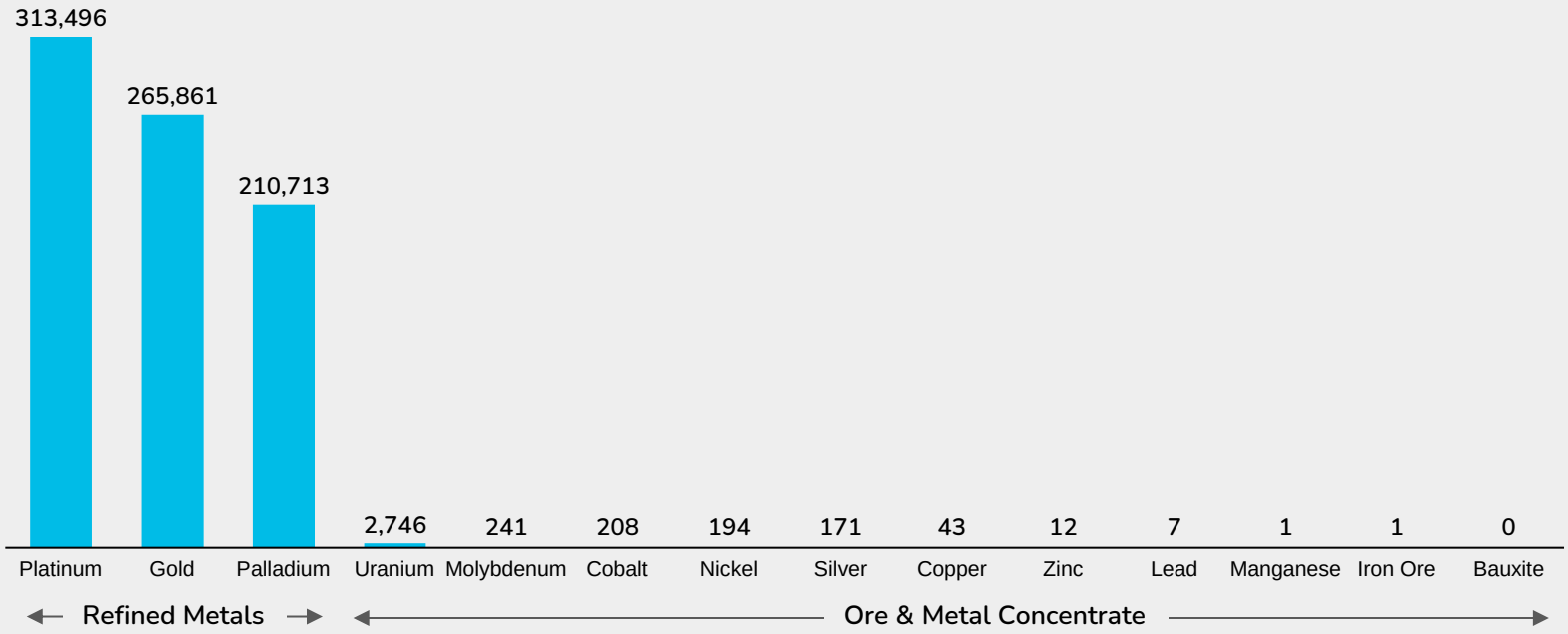
2 Water management value chain mapped and 40+ solutions identified



Water Intensity By Commodity

Water Intensity Varies Enormously by Metal & Mineral Commodity

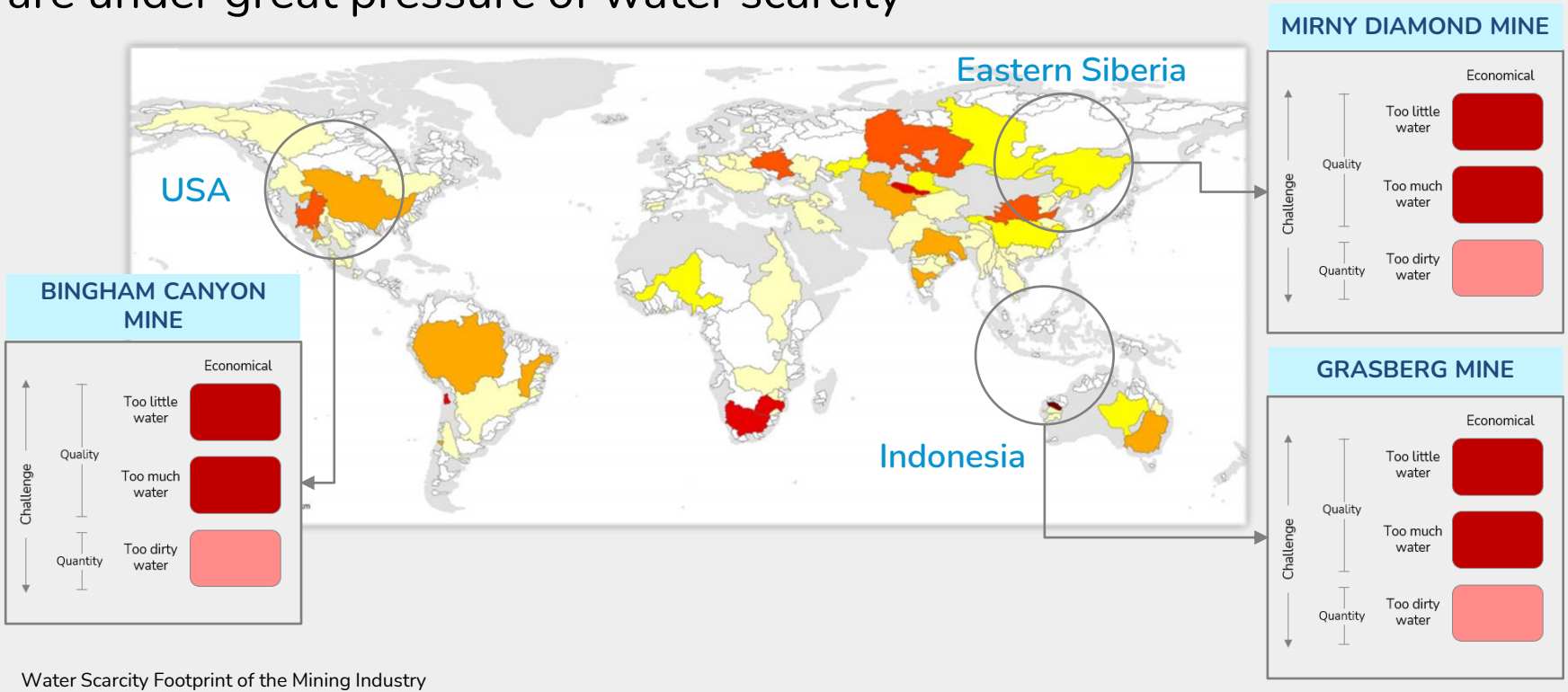
Global average water footprint of metals & minerals (cubic meters per ton)



Source: IEA, Simon Meißner (2021)

Water Scarcity by Mining Sites

Mining sites in North & South America, Eastern Europe and South Africa are under great pressure of water scarcity



Note: Data presented is only for representation purposes

Source: Literature Review, SprintlyWorks Modelling

Innovations ecosystems throughout the water value chain will enable next generation of water management in mining

Water sourcing

Water resource management

Water storage and streamflow forecasting
Real-time water quality monitoring

Diversification of supply

Cost-effective desalination operations

Green and gray storage capacities and transmissions

Rainwater and greywater collection optimisation

Harvesting water from humid air

Water treatment & distribution

Infrastructure maintenance

Digital leak detection and monitoring

Infrastructure modelling and simulation software

Water use

Efficiency Optimisation

Precision mining and extraction techniques

Smart water usage

Connected meters

Residential & Industrial water saving appliances

Resilient water systems

Monitoring & forecasting of flooding

Stormwater remediation systems

Decentralized water access

Modular off-grid water purification

Point-of-use filteration technology

Wastewater collection & treatment

Advanced water treatment

Cost-efficient (biological) wastewater processing

Micropollutant & biopollutant filteration

Disposal/reuse

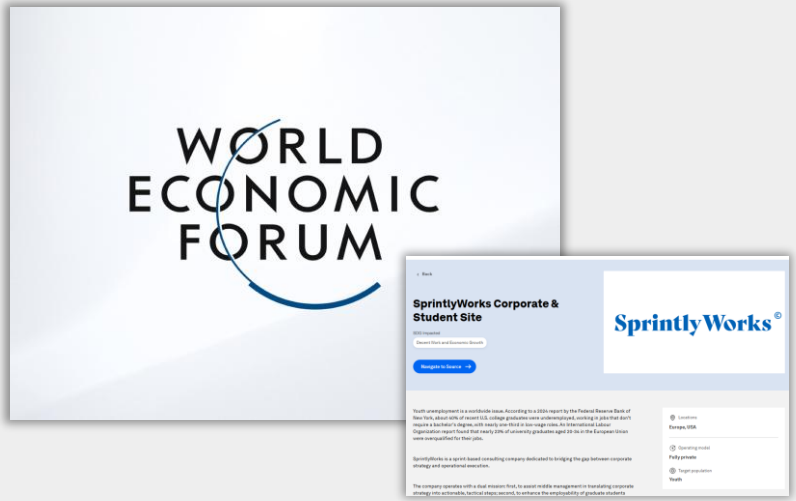
Advanced water treatment

Wastewater reclamation & re-use technology

Wastewater to energy solutions

Source: Expert Interviews

Recognition



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Read Article Here

Awards

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SprintlyWorks©

Your Extended Capability Arm for Strategy & Analytics
Results in 8 weeks with Fixed Budget

> *“Same project internally would have been taken 4-6 months calendar time when running it beside all the other tasks”*

Let’s be in touch!

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