

# Complex Orebodies ... accessing the mines of the future

## SUPPLY OF THE FUTURE



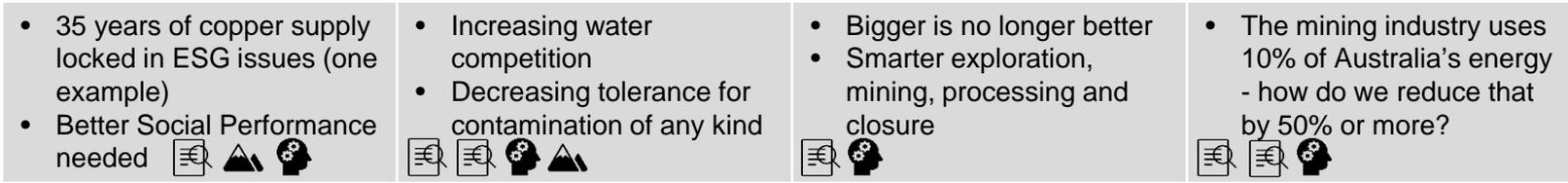
Made accessible by

- Better, fairer social relationship
- Reduced environmental and social footprint
- Technical Innovation

## KEY QUESTIONS

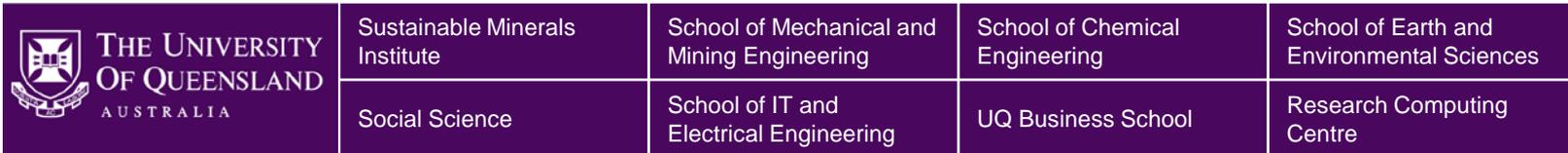


## CHALLENGES



## PROJECTS

- Transformational technologies
- Industry Challenges
- Case Studies



## WHO?



# Life-of-mine transformed... re-imagining the mine lifecycle to meet changing expectations

DEMAND OF THE FUTURE



FOCUS AREAS



TOPICS

<p><i>Material Supply in a resource constrained world</i></p> <p><i>New business models, supply chains and social innovation</i></p>	<p><i>The water-energy-minerals nexus</i></p> <p><i>Understanding value in multiple dimensions</i></p> <p><i>Next generation mine planning</i></p>	<p><i>Spatial/temporal relationships between mines, settlement and economics</i></p> <p><i>Modular and flexible mining</i></p> <p><i>Mining as a development partner</i></p>	<p><i>Geometallurgy to unlock new value from tailings, wastes and stockpiles</i></p> <p><i>Ecological Engineering and landform management</i></p> <p><i>Emissions monitoring, mitigation and reduction</i></p> <p><i>Closure as social performance</i></p>
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WHO?

UQ Business School	School of Mechanical and Mining Engineering	Sustainable Minerals Institute	School of Earth and Environmental Sciences	
Centre for Policy Futures	UQ Energy Initiative	Centre for environmental decision making	School of Chemical Engineering	