Pumped Storage Development: Pitfalls and Promise - A Designer's Perspective

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Βι



Advisory



International development

Built environment

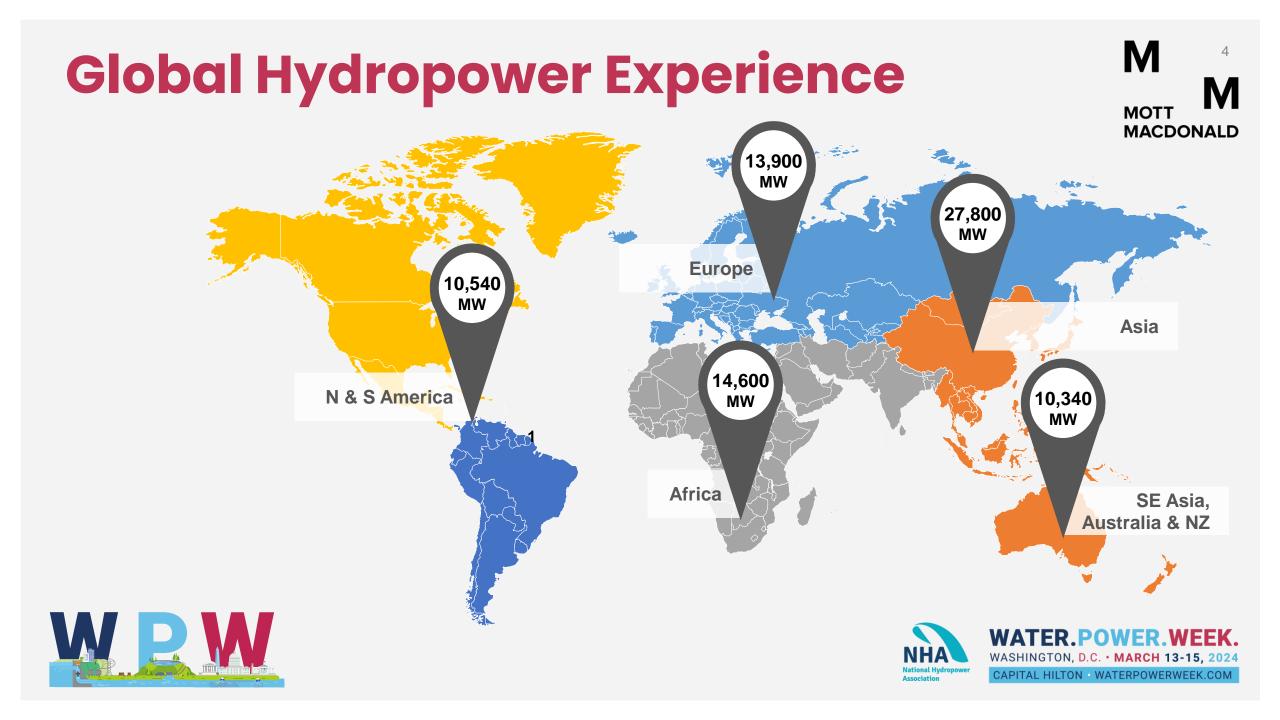
Energy



Transport



Water

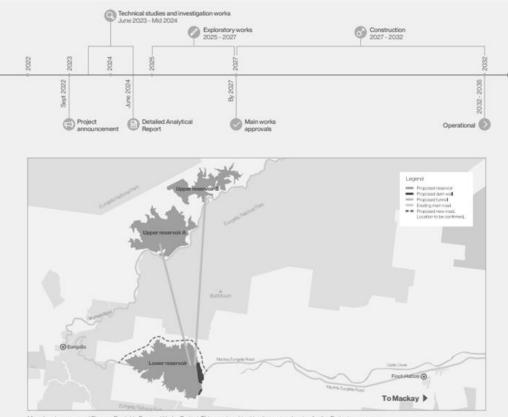


Permitting and Licensing Impacts

- Project Layout and Configuration
- Environmental Impacts
- Water Rights Allocations
- Public and Operational Safety inc.
 Dam Safety







Map showing proposed Pioneer-Burdekin Pumped Hydro Project. This map is subject to change as planning for the Project progresses.



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Pitfalls:

- Lack of Alignment between Design, Permitting & Licensing processes
- Multi-Stakeholder Communication and Engagement
- Stakeholder, Developer and Designer knowledge gaps

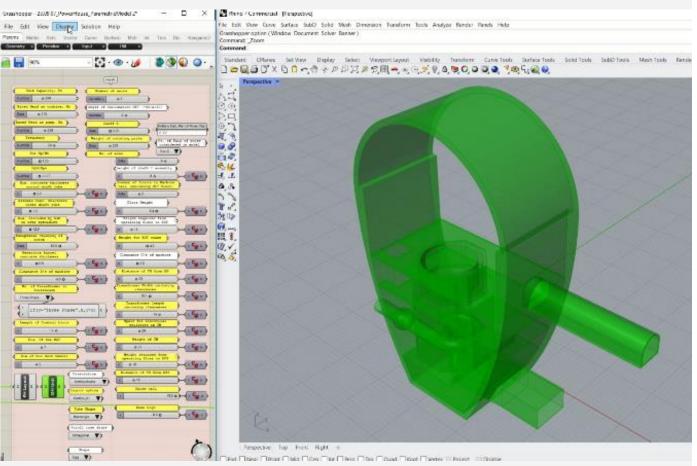




Promise: Designer Observations

- Alignment:
 - Early engagement
 - Early site assessment
 - Early expert opinion









Promise: Designer Observations

- Knowledge
 - Plan for communication and visualization
- Risk / Uncertainty
 - Understanding Project Risk







