

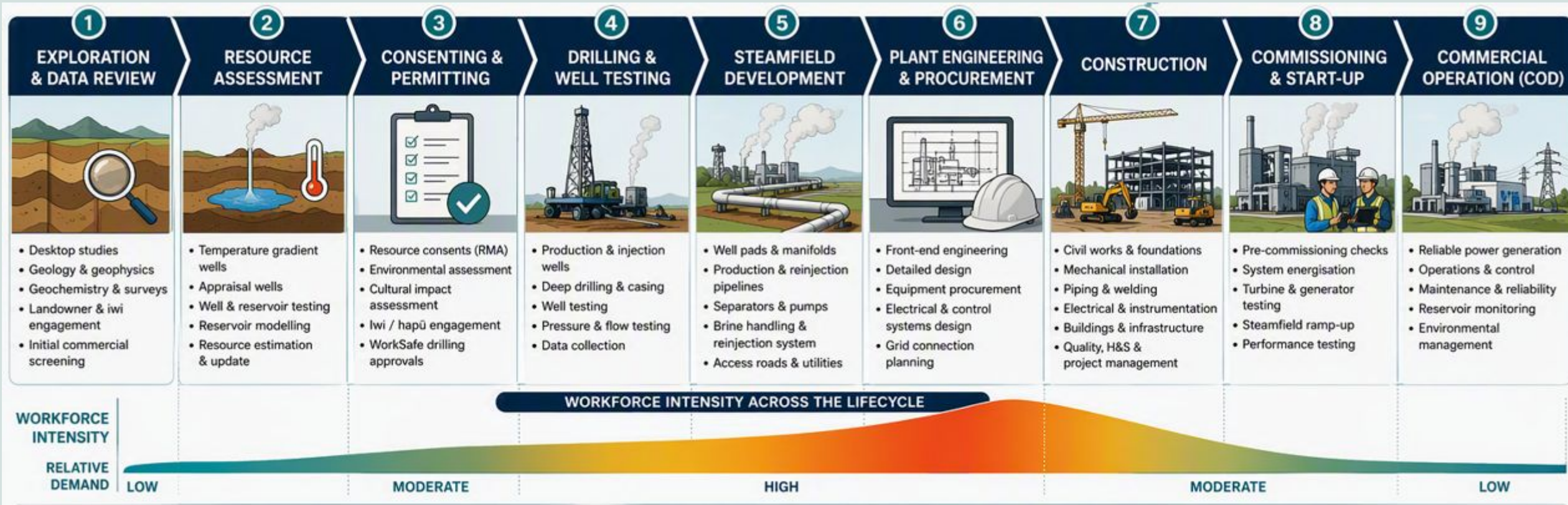
Today's Challenge tomorrow's Opportunity

Closing our industry's
knowledge gap through
experience transfer



Geothermal Power Plant Development Lifecycle

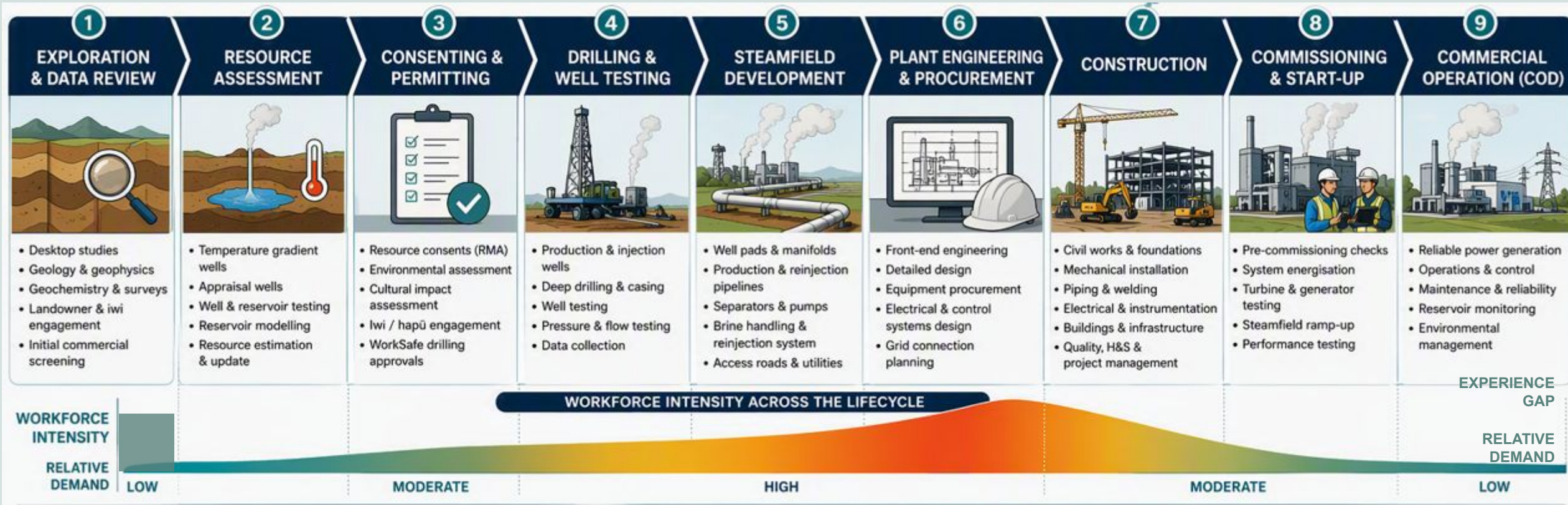
From Exploration to Commercial Operation (COD)



Today's Challenge tomorrow's Opportunity - Closing our industry's knowledge gap through experience transfer

Geothermal Power Plant Development Lifecycle

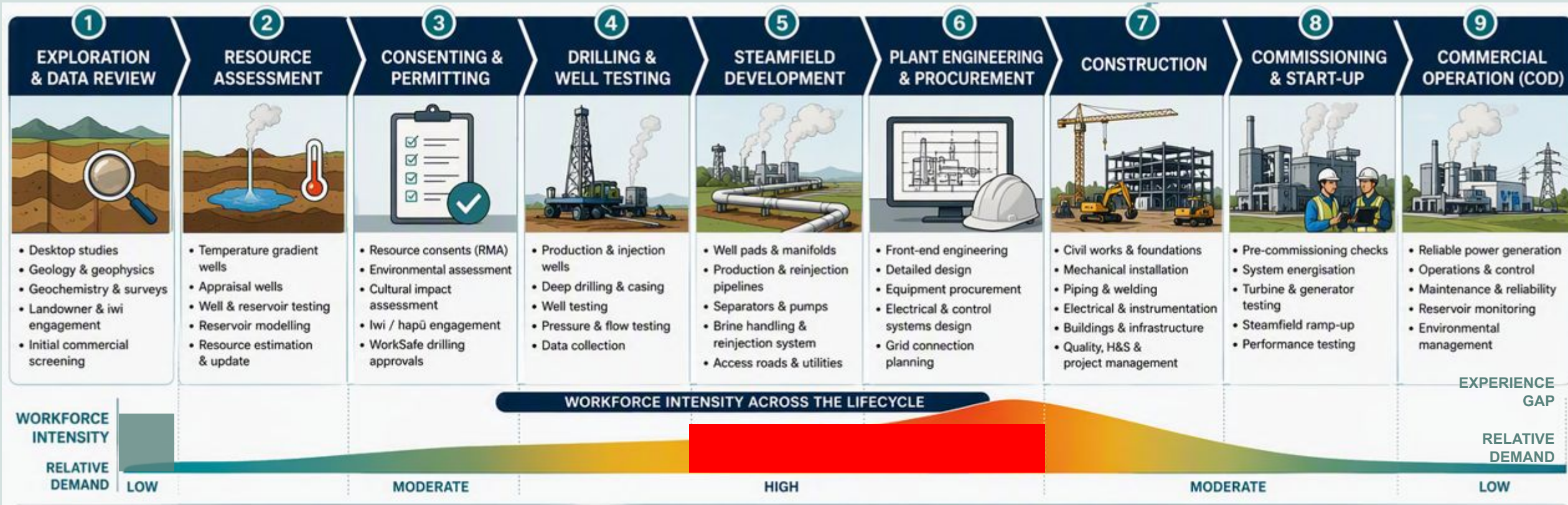
From Exploration to Commercial Operation (COD)



Today's Challenge tomorrow's Opportunity - Closing our industry's knowledge gap through experience transfer

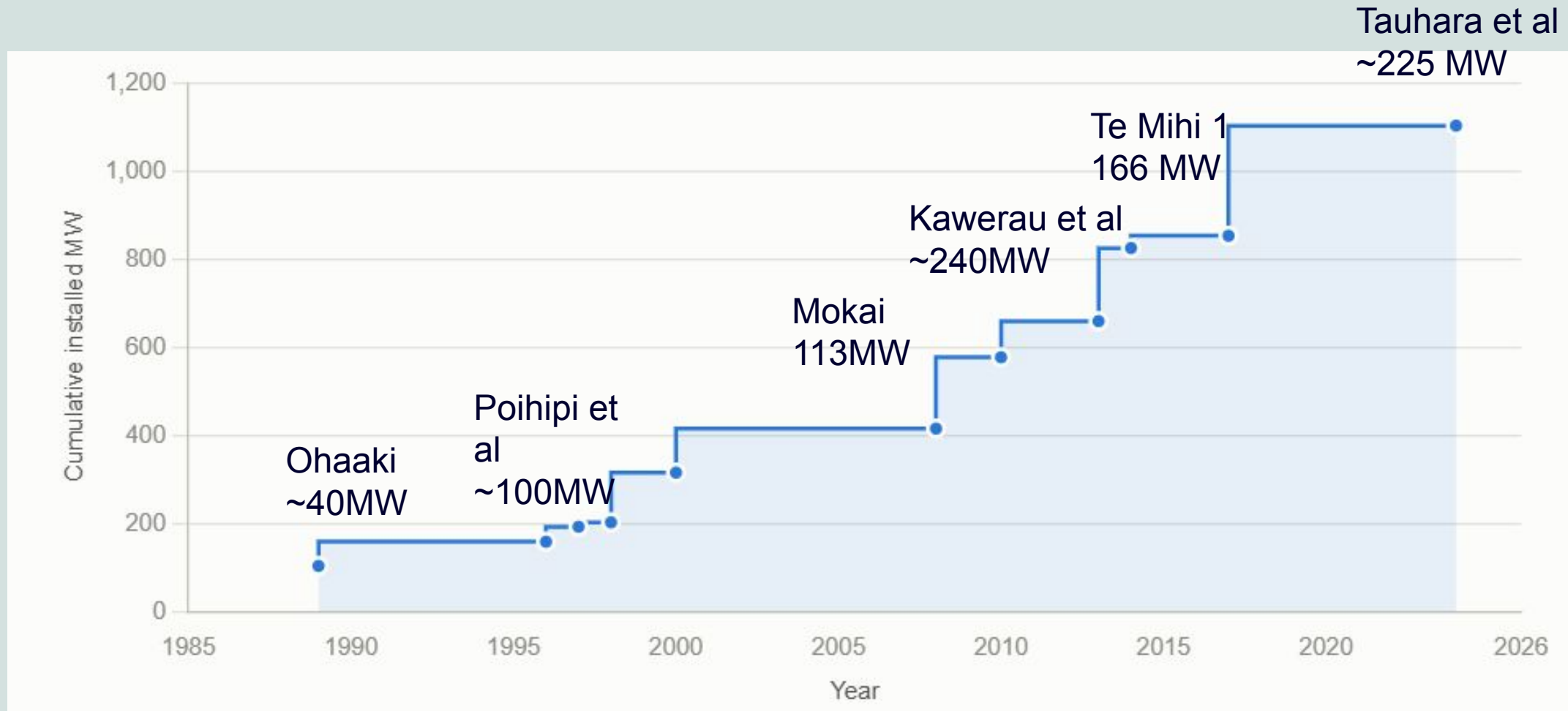
Geothermal Power Plant Development Lifecycle

From Exploration to Commercial Operation (COD)

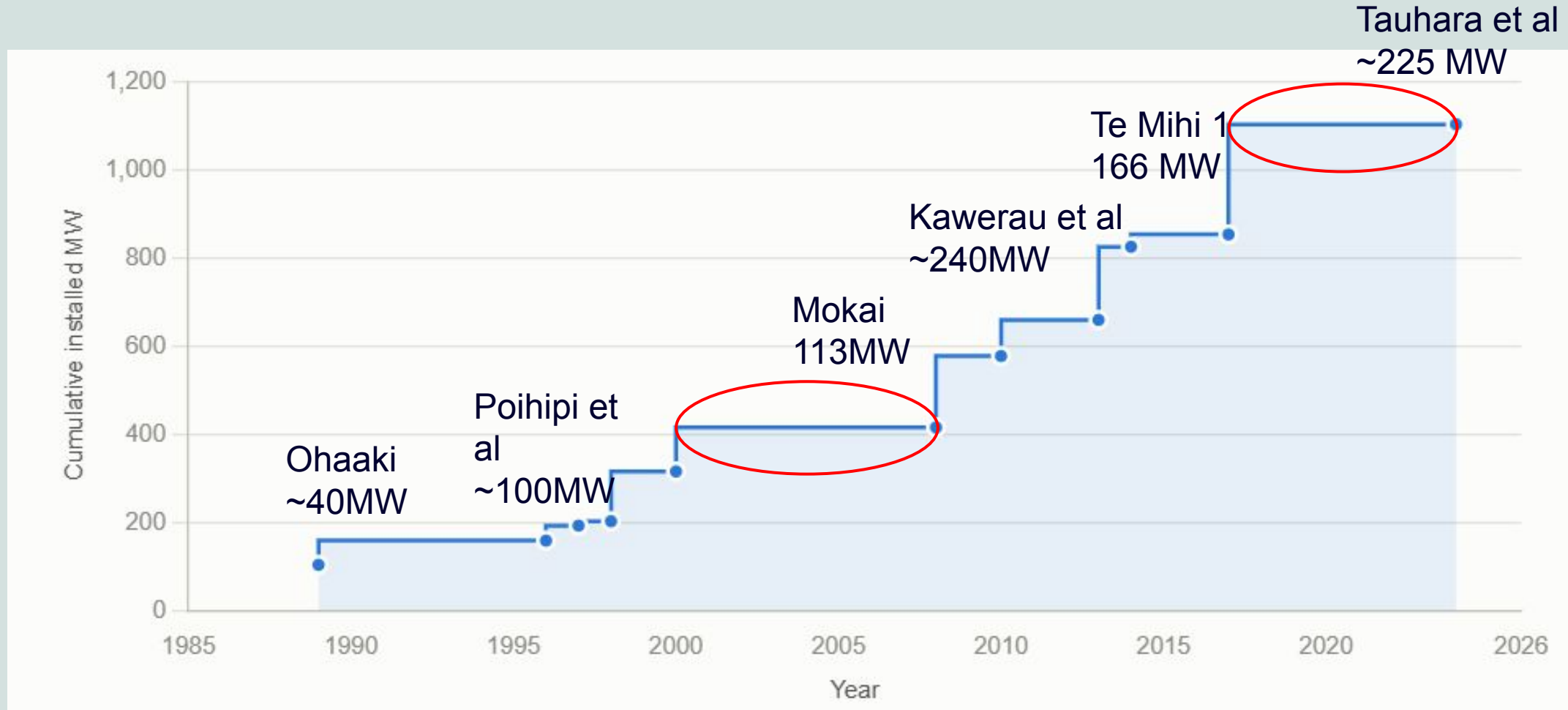


Today's Challenge tomorrow's Opportunity - Closing our industry's knowledge gap through experience transfer

Geothermal Project Pipeline – A lumpy one



Geothermal Project Pipeline – A lumpy one



Our industry's challenge

What are we doing about it?

1



Today's challenge

-
- Knowledge gap
-
- Industry gap

Our industry's challenge

What are we doing about it?

1



Today's challenge

- Knowledge gap
-
- Industry gap



2

Bridge the gap



70+ Years Combined Expertise

- Extensive geothermal knowledge
- Enhanced by “adjacent industry” experience
- Incorporating diverse geographic & gender background

Our industry's challenge

What are we doing about it?



Key message: Close the knowledge gap while widening the "recruitment net" and grow together in the geothermal sector.

What is are currently in play?

Program	Led / Funded by	Focus
Postgrad Cert in Geothermal Energy Technology	Geothermal Institute	National & International - Formal Training
Geothermal Project Management short courses	Geothermal Institute	Geographic - Upskilling and knowledge transfer
Future Energy and Innovation Leaders	NZGA / MTL	National & International - Attracting workforce
WING NZ (Women in Geothermal)	Sponsors Contact / Mercury Eastland Generation Nikkiso	National - Building more diverse workforce Attracting Developing Retaining
PINZ	MFAT + Indonesian Ministry of Energy & Mineral Resources	Geographic - Capability building & knowledge transfer
AGF 2.0	MFAT + African Union Commission	Geographic - Capability building & knowledge transfer
Regional Infrastructure Fund	NZ Government	Funding - Project pipeline that drives workforce demand
Supercritical geothermal R&D	NZ Government	Funding - Project pipeline that drives workforce demand

Closing our industry's knowledge gap

Three groups that keep knowledge, skills and projects flowing

1



Wise heads

Stick around

So knowledge can be transferred to the next generation of geothermal specialists.

Closing our industry's knowledge gap

Three groups that keep knowledge, skills and projects flowing

1



Wise heads

Stick around

So knowledge can be transferred to the next generation of geothermal specialists.

2



Private & public organisations

Build the workforce

Keep developing capability from wise heads through to emerging team members.

Closing our industry's knowledge gap

Three groups that keep knowledge, skills and projects flowing



Outcome: retained expertise + growing capability + steady project pipeline

Holger Zipfel

Managing Director – MTL NZ Ltd

holgerz@mtlnz.co.nz

+64 21 768 333

