

Restart of the Langer Heinrich Uranium Mine



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The Question



The Journey

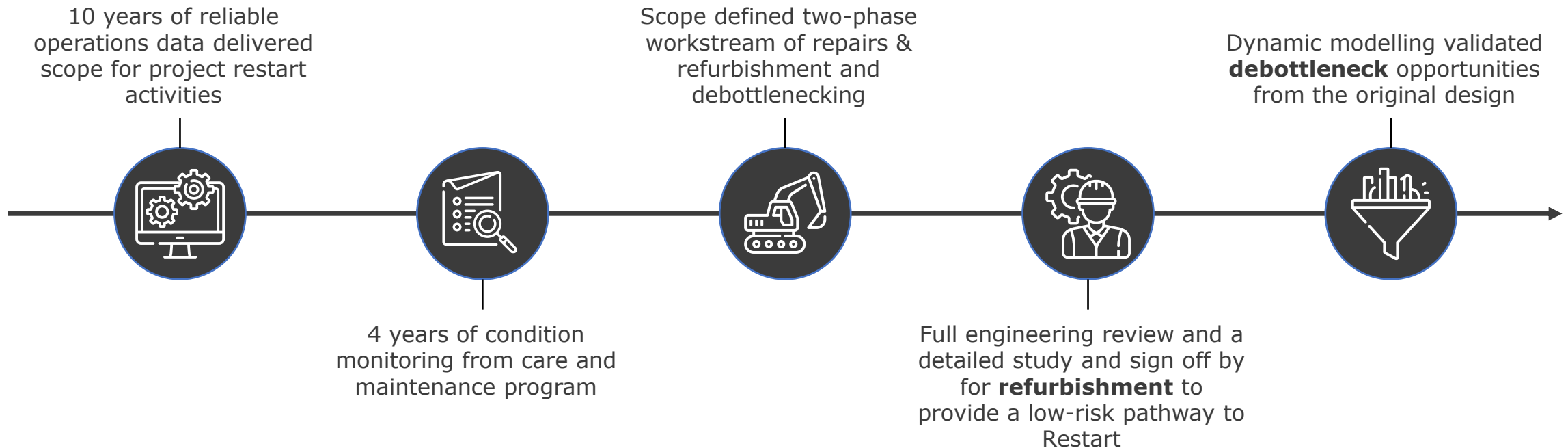


- Production commences in 2007
- Mining curtailment implemented in November 2016
- Asset in Care and Maintenance in May 2018
- Feasibility studies and Restart planning commenced in 2019
- Decision to return to production and launch the Restart Project in July 2022
- Restart Project activities commenced

Defining the Project scope

Extensive review process provided a low-risk pathway to the restart

Defining the scope



The Key work packages



The major **Scopes of Work** required for the restart was to return the process plant to operational readiness and to increase the throughput capacity of the existing production facility to 6 Mlbs U₃O₈ pa.

Repair & refurbishment

- Civil/structural (concrete, steel).
- Mechanical (pumps, pulleys, conveyors, ancillaries).
- Piping & valves (site wide pumps/valves repairs).
- Electrical (UPS units, lighting, plant electricals).
- Control & Instrumentation (repairs, replacement, calibration and re-commission of all instruments).

Growth Projects

- Final Product Recovery (FPR) package.
- Leach feed surge tanks.
- ROM bin upgrades.
- NamWater delivery system upgrades.
- NamPower infrastructure upgrade.

Project Statistics



1331 Mechanical Equipment

Were opened, inspected and commissioned.

313 Pumps

Of various sizes plantwide were refurbished.

20.8km

HDPE Piping.

5.02km

Steel Piping.

5125 Valves

Actuated (118), new (2328) and old refurbished (2679).

930t Scaffolding

Total scaffolding tonnage on site.

2111.7 m² Platework

Total squares of platework installed.



Project Safety

Project Safety theme:

- Making good choices
- Safety commitment to the end

2 600 580

Project Hours

1301

Number of Employees

0

Lost Time Injury (LTI)

4

Medical Treatment
Injury (MTI)

15

First Aid Incident



Weekly safety mass briefings during the Restart Project.



LANGER
HEINRICH
URANIUM



Key Learnings



Corporate support –
SteerCo and Board made
decision making and
implementation quickly.



“Can Do!” and supportive
culture between all
stakeholders contributed
hugely to success.



Collaborative support
between Contractors and
employees on site.



Developing a good safety
culture takes time and
effort and must be lived.

Project completed on time and within cost forecast



US\$120M

95%

Of staff and contractors from local communities.

17 year

Mine life projected producing 77Mlb U_3O_8 .



Thank you!

