

Syncline Energy Pty Ltd

Direct Use Geothermal



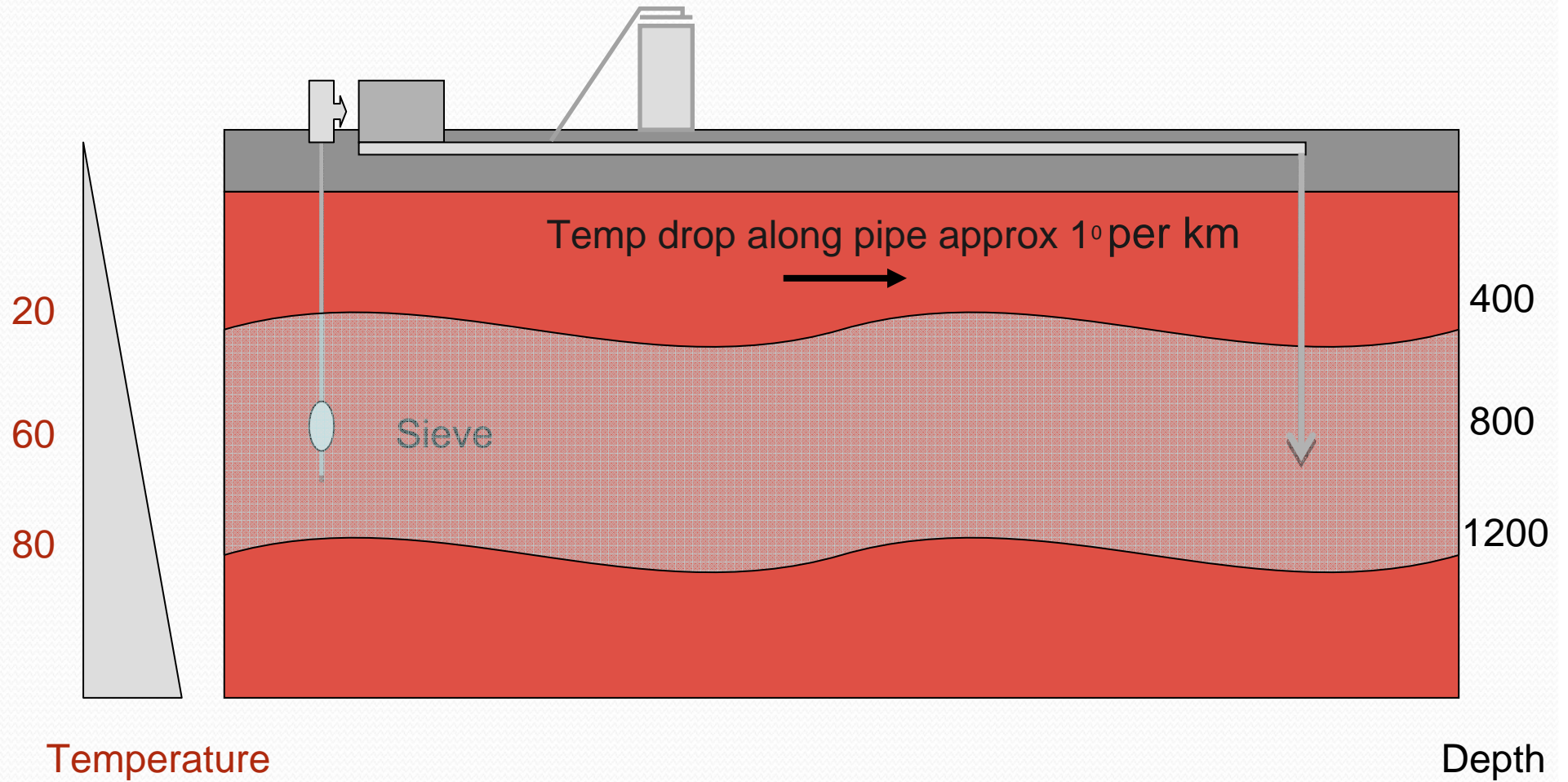
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Syncline Energy

- **Develops direct use geothermal projects**
- **Two ‘Australia First’**



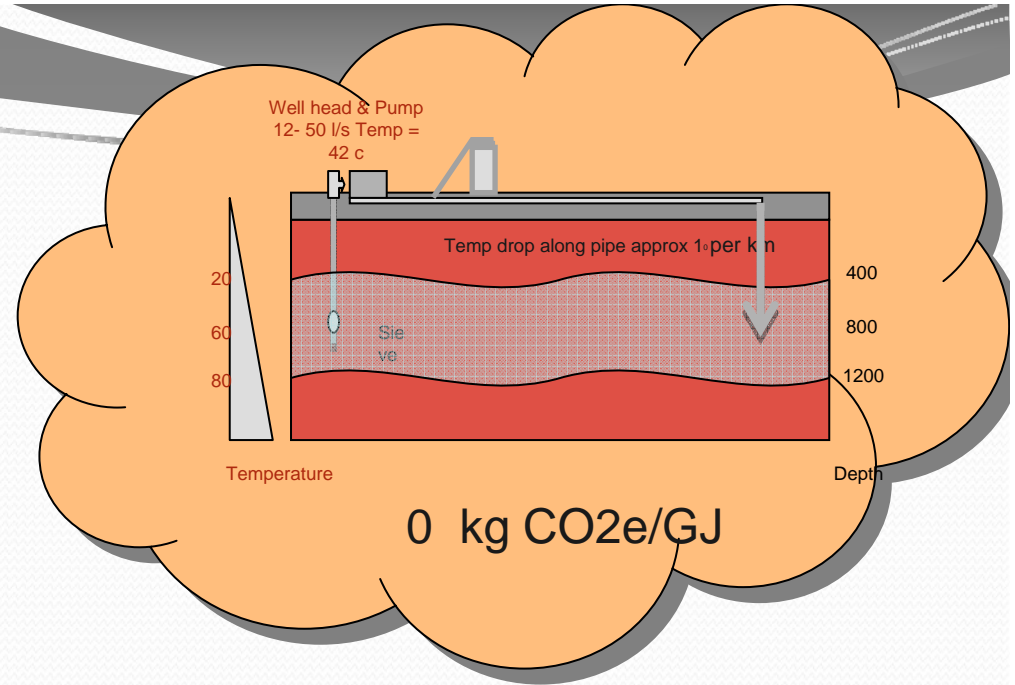
Well head & Pump
12- 50 l/s Temp = 42 c





Source: ExxonMobil Fortescue Platform

12 kg CO₂e/GJ



+

52 kg CO₂e/GJ

Case Study: Midfield meats

Australia's 7th largest abattoir

- Uses 1Ml/d of water at 45 deg C and 88 deg C
- About 1/3 of town demand in winter

Water and gas bill = \$300k/a

Greenhouse gas saving:

CO2 eq = 1116 t

Car eq = 250

Potential to expand to district geothermal supply



Case Study: Midfield meats



Inspecting production casing



Drilling operations

The Sebel Deep Blue Resort Space and Pool Heating



- **75 Room Hotel, 6 Apartments and Spa**
- **Green house gas savings equivalent to taking 75 cars off the road**
- **Capex approx \$800k with SEAV funding \$230 k**



Benefits

- **Almost zero carbon emissions**
- **Proven long life technology**
- **Significant water savings**
- **Two Warrnambool projects = 1 MW**

Equivalent to:

- about 1.5 MW of gas from source
- 1/3 of Warrnambool's water supply

Direct Geothermal Energy - USA

Direct-Heat Uses

