

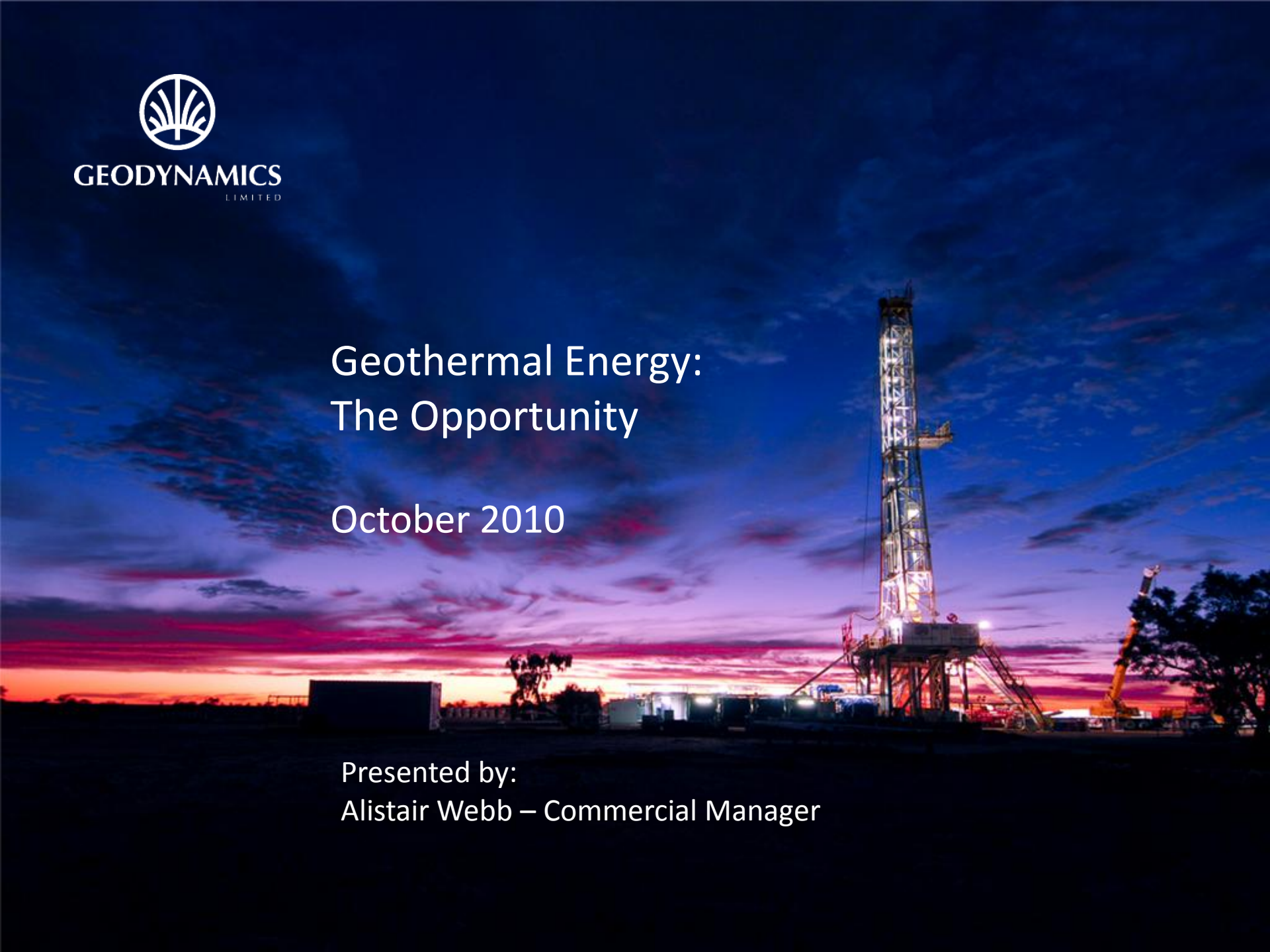


GEODYNAMICS  
LIMITED

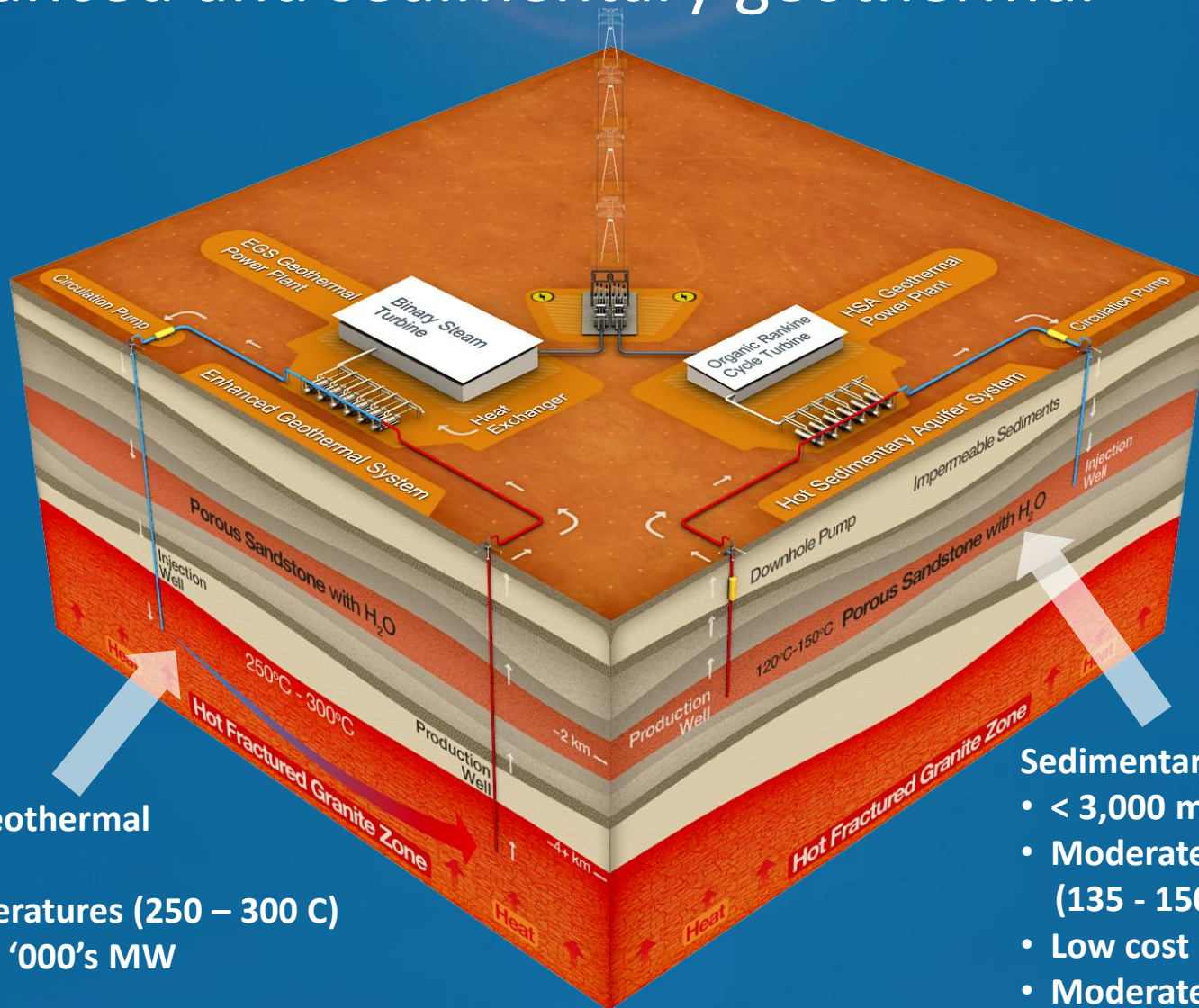
# Geothermal Energy: The Opportunity

October 2010

Presented by:  
Alistair Webb – Commercial Manager



# Australia has potential for both enhanced and sedimentary geothermal



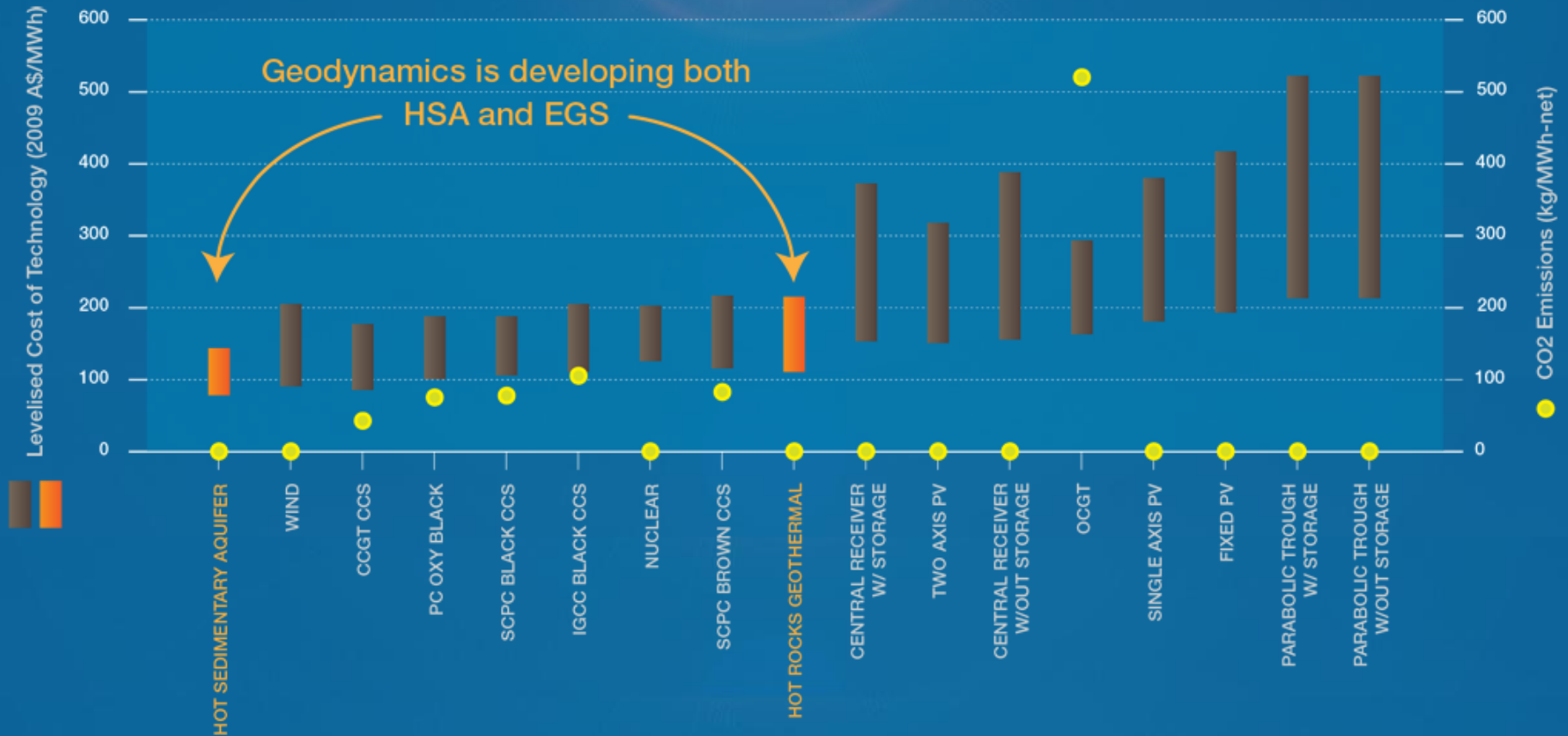
## Enhanced Geothermal

- > 4,000m
- High temperatures (250 – 300 C)
- Large scale '000's MW

## Sedimentary Geothermal

- < 3,000 m
- Moderate temperatures (135 - 150C)
- Low cost drilling
- Moderate scale '00's MW

# Cost competitive with future technologies



<b>CCS</b>	Carbon capture & storage	<b>IGCC</b>	Integrated Gasification Combined Cycle
<b>CCGT</b>	Combined Cycle Gas Turbine	<b>PV</b>	Photo Voltaic
<b>PC</b>	Pulverised Coal	<b>OCGT</b>	Open Cycle Gas Turbine
<b>SCPC</b>	Super Critical Pulverised Coal		

\*Chart adapted from EPRI technology status 2010: Technology ranking 2030

# Positioning for commercial demonstration

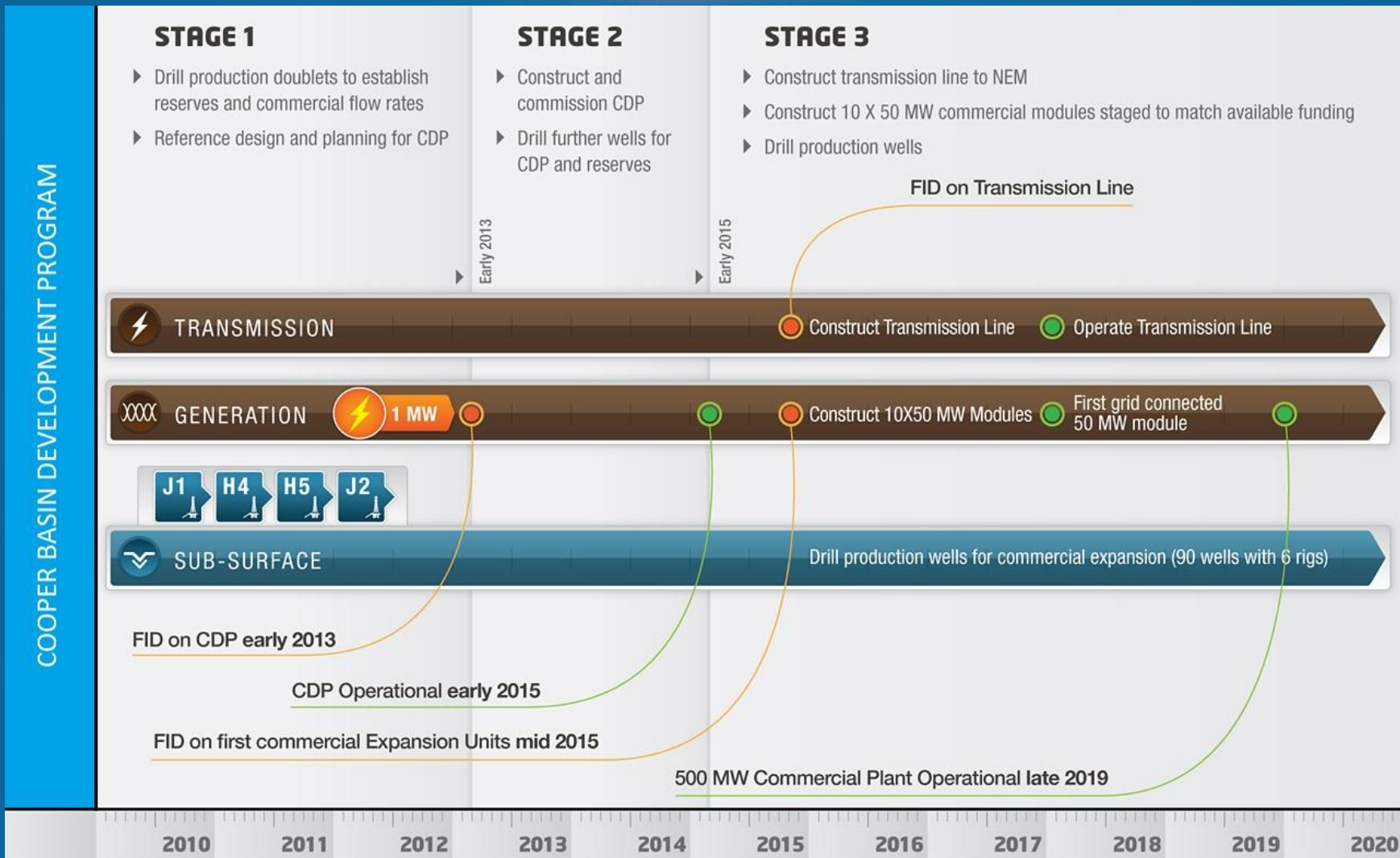
Key deliverables to support the investment decision for the 25 MW Commercial Demonstration Plant are:

- |   |   |              |
|---|---|--------------|
| 1 | CONFIRMED TEMPERATURE OF >250° C AND RESERVOIR ACROSS 30KM  | ✓ Complete   |
| 2 | ACHIEVED PROOF OF CONCEPT DEMONSTRATING HYDRAULIC FLOW BETWEEN TWO WELLS                                      | ✓ Complete   |
| 3 | REPRODUCE A MAN-MADE HEAT EXCHANGER ACROSS OUR TENEMENTS  | October 2010 |
| 4 | DEMONSTRATE COMMERCIAL FLOWS AND COMMISSION 1 MW - PROVIDING AUSTRALIA'S 1 <sup>ST</sup> EGS GEOTHERMAL POWER | 2011 Program |
| 5 | REPLICATE COMMERCIAL CIRCULATION  | 2012 Program |



Aimed at delivering a 25 MW Commercial Demonstration Plant by 2015 supported by \$ 90M Federal Government grant

# Program to commercialisation



# Federal Policy Issues

Distinction between 'ready' and 'emerging' technologies

Where is the incentive for 'risky equity'?

Bi-partisan policy certainty

Perception of 'leading policy' – reality of 'lagging policy'