

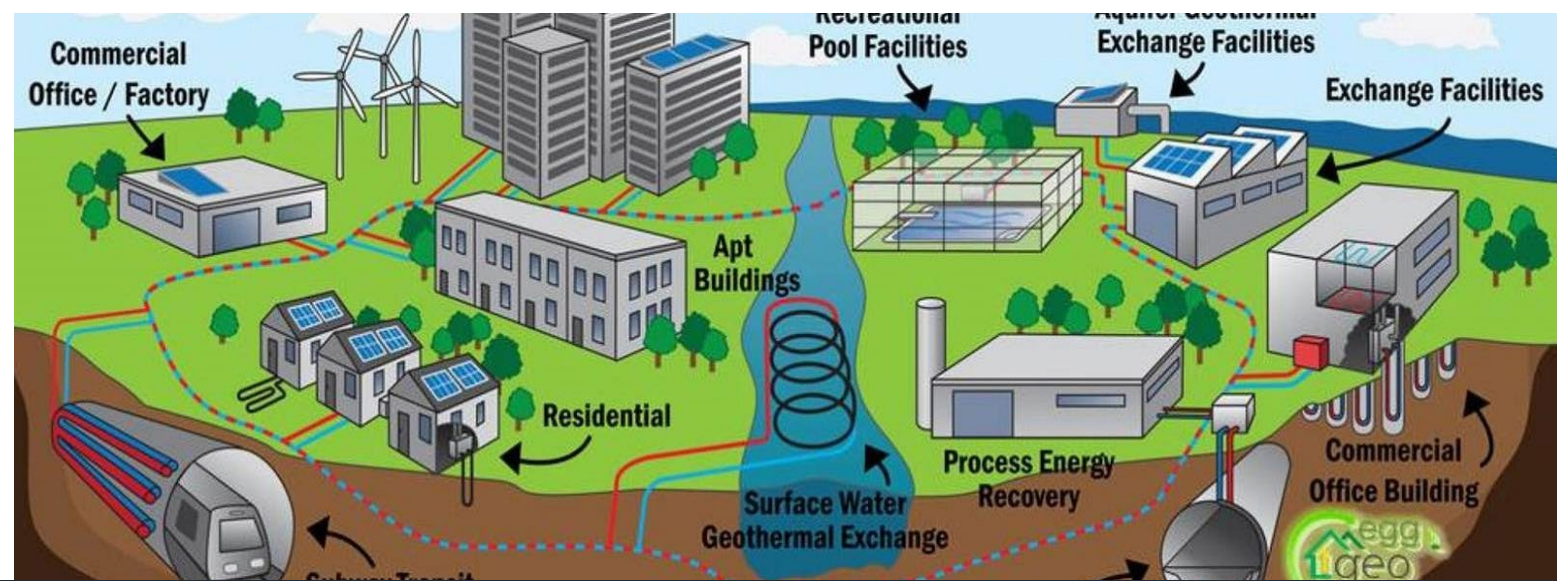
Employer-led Apprenticeships in Geo-Drilling

**Higher Certificate in Science in
Geo Drilling (Apprenticeship)**

Successful Collaboration as cornerstone of a meaningful apprenticeships experience



The Demand for Geo Drilling



Evolving to meet labour market needs

1. **Clean Energy Transition** - geothermal, offshore wind, solar farms, hydrogen
2. **Sustainable groundwater** supplies for drinking water and food production.
3. **Sustainable infrastructure**
4. **Demand for critical minerals** such as Lithium, Copper, Nickel and Cobalt



Industry-Specific & Industry-Led Apprenticeship

Sectors: Quarrying, Water, Wind Energy, Infrastructure, Geothermal, Site Investigation, Mining



ARUP



Fogarty Drilling LTD

DALRADIAN



Gníomhaireacht Bainistíochta an Chisteáin Náisiúnta
National Treasury Management Agency

An Ghníomhaireacht Airgeadais d'Fhorbairt Náisiúnta
National Development Finance Agency



IRISH ASSOCIATION FOR ECONOMIC GEOLOGY



QQI
Quality and Qualifications Ireland
Dearthú Cáilíochta agus Cáilíochtaí Éireann

SOLAS
learning works



NATIONAL APPRENTICESHIP OFFICE
GENERATION APPRENTICESHIP



Customised content meeting requirements of the occupation

Surface Focus

- Communications
- Environmental Management
- Stakeholder Engagement
- Health & Safety.

Drilling Technology

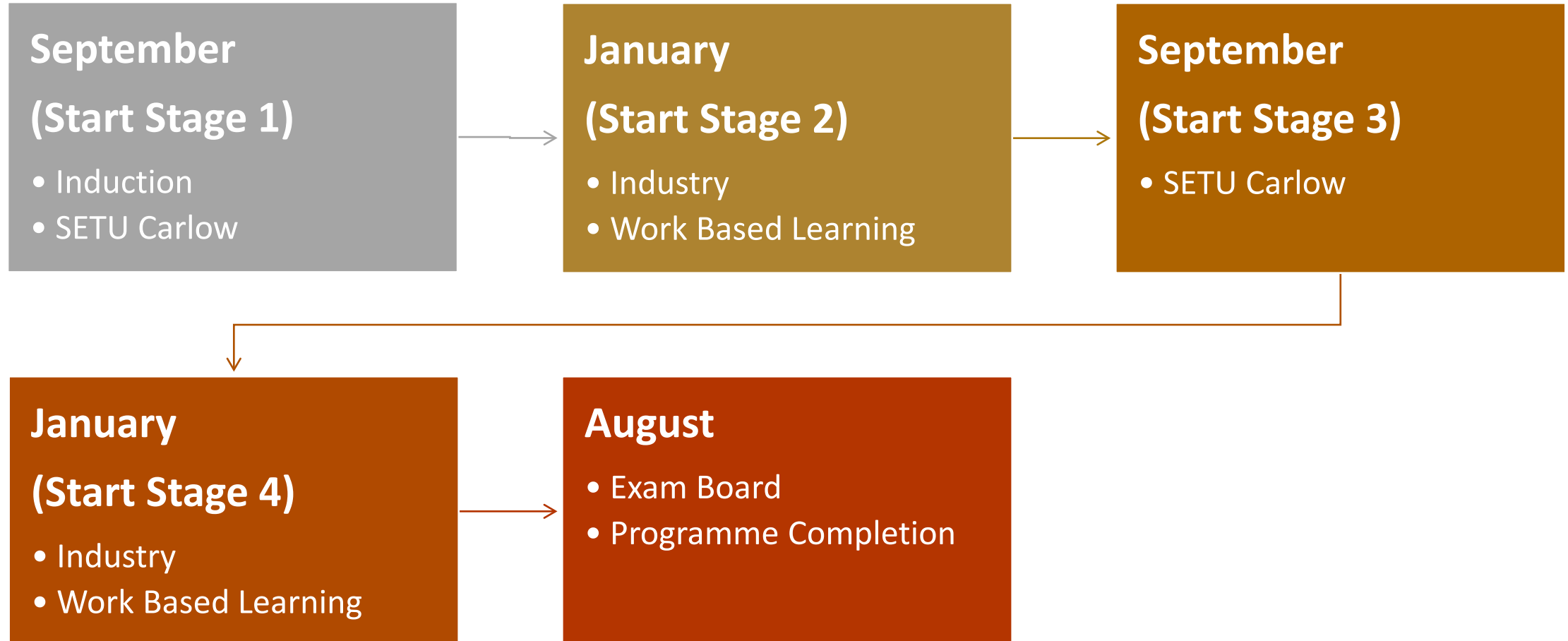
- Drilling Equipment
- Drilling Operations
- Sample Retrieval
- Sample Processing

Sub-Surface Focus

- Geology
- Geo-informatics
- Geodatabase



Programme Delivery



Work Based Learning

1. Application of knowledge and skills to an industrial environment
2. Harnessing the facilities and expertise provided by the consortium to learn key skills



PORTFOLIO OF EVIDENCE

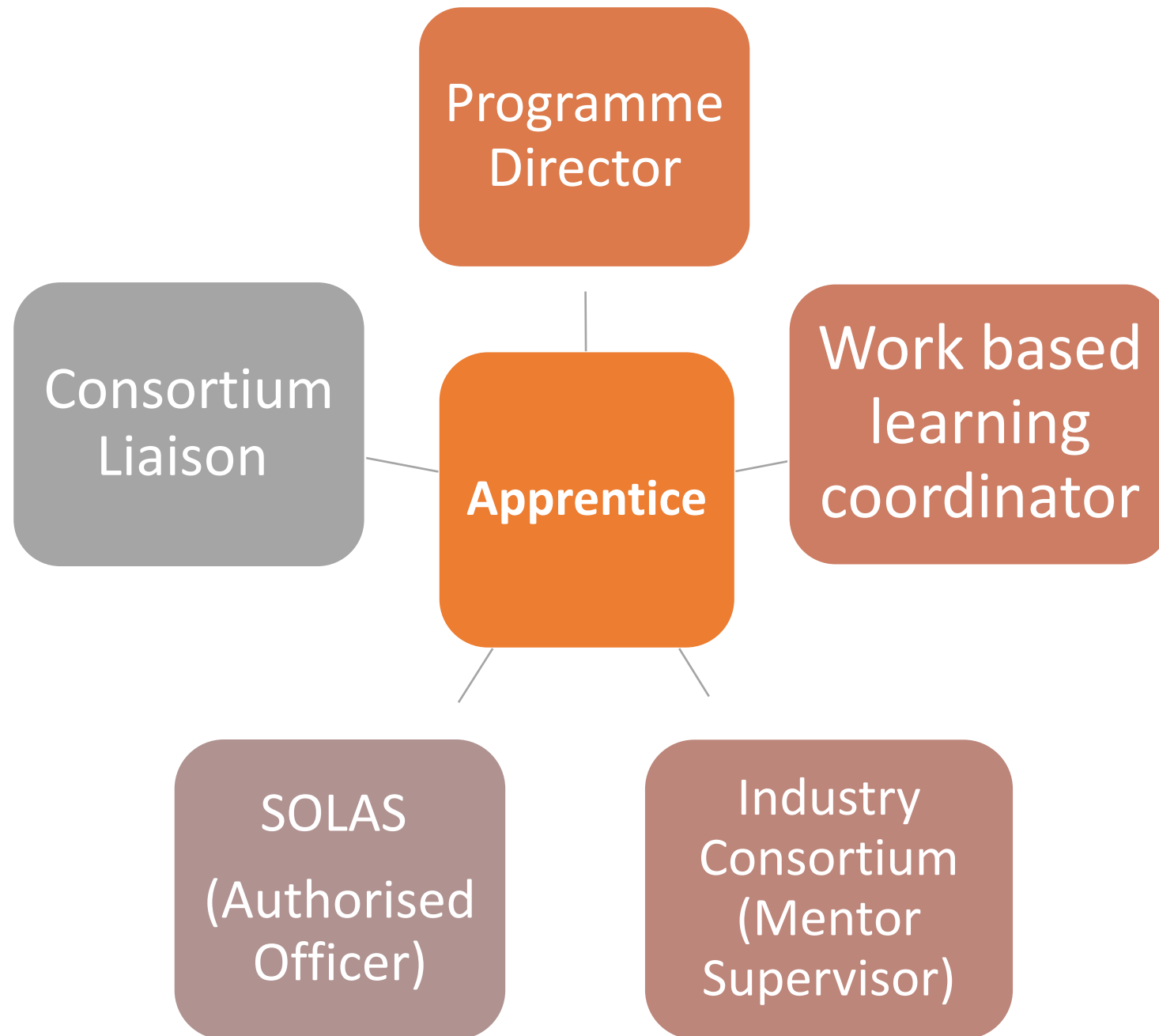


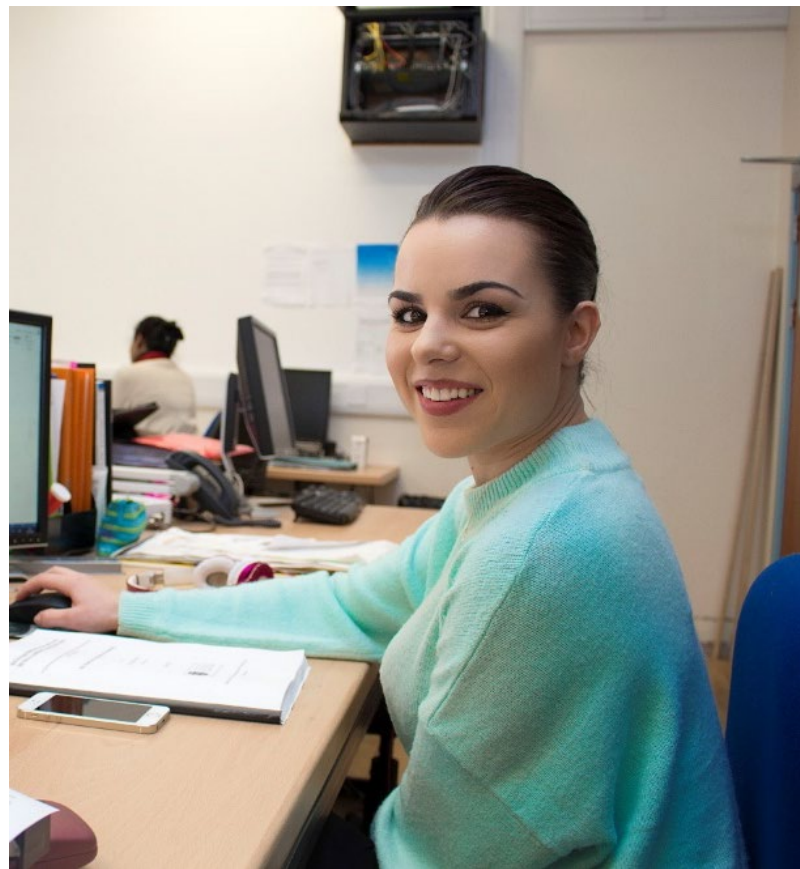
REFLECTION &
INDEPENDENT LEARNING



INDUSTRY MENTOR
SUPERVISION







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