TRANSFORMING ENTERPRISE-WIDE DEPLOYMENT OF DELFI COGNITIVE E&P ENVIRONMENT

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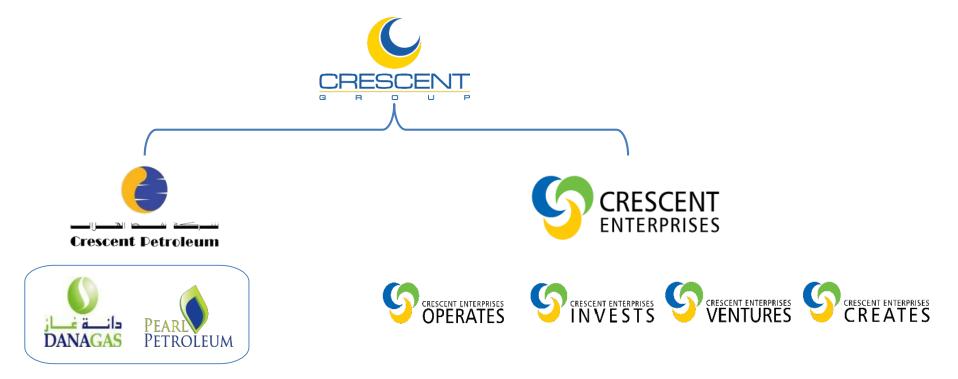
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Crescent Group Structure

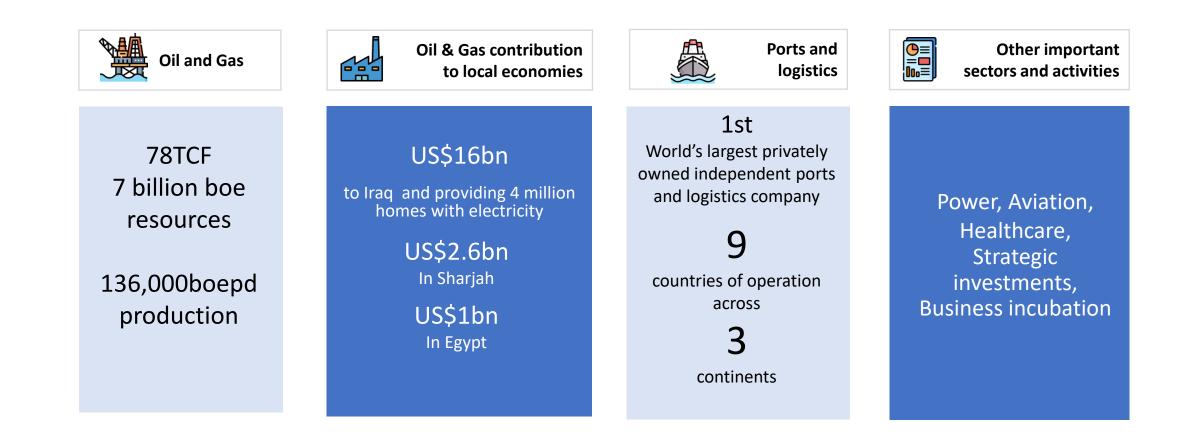
Established in 1971, company currently operates two subsidiaries:

Crescent Petroleum and Crescent Enterprises based out of Sharjah, UAE





Driving transformational impact across MENA



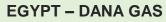




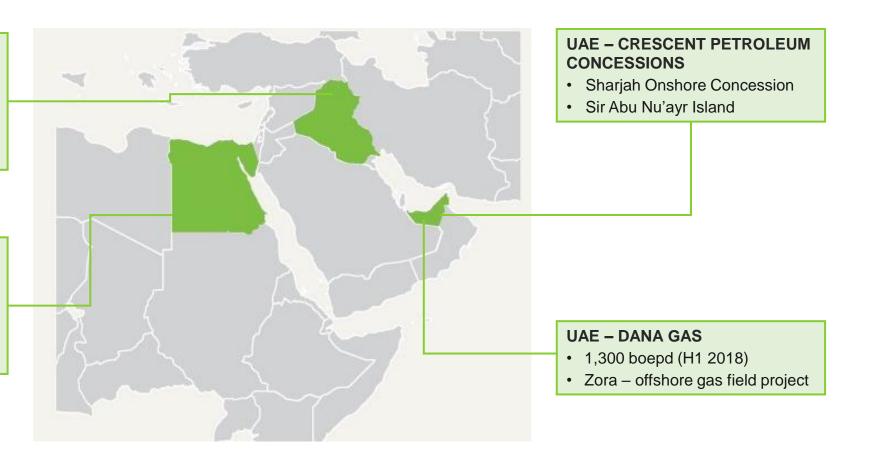
Crescent Petroleum today

KURDISTAN REGION OF IRAQ – PEARL PETROLEUM

- 94,000 boepd
- Two world-class fields
- 12+ years of historic production
- Supplies three major power stations



- 35,600 boepd (H1 2018)
- Top five gas producers
- 13 Development Leases and three exploration concessions
- Significant exploration upside







Sustainability is a strategic pillar

One of the first in industry to reach carbon neutrality in 2021

• Avoided 42m tonnes of CO2 emissions from 2008 to 2020 by displacing diesel with gas

• Equivalent to removing 1 million cars from the road for 2 years

Ð Our commitment to the environment Reduction in Scope 1 **Ensuring operational** emissions: excellence: 10% Zero over the last five years to 295k significant oil spills across

operations since 2018.

Reducing waste: 40.21%

reduction in liquid hazardous

vaste in 2019 and 29.91%

to 2018

Energy intensity 11.58% reduction in energy intensity in last five years. reduction in non-hazardous waste mpared to 2020 as compared

tCO2e

6.0kgCO2e/boe **Carbon intensity**

42m tones CO2 emissions avoided

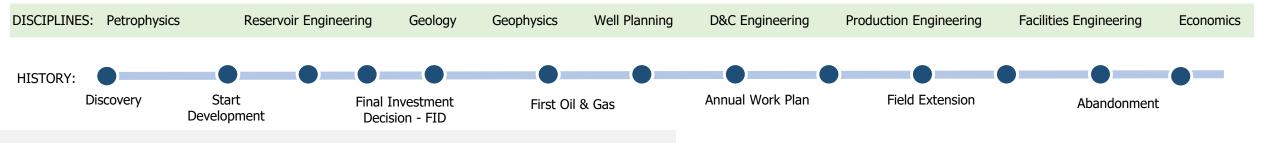
• Carbon intensity of 6.0 kgCO2e/boe as of 2021, which is one-third the industry average

• Reduction in flaring by 80% to 0.12% of production (as of 2021)



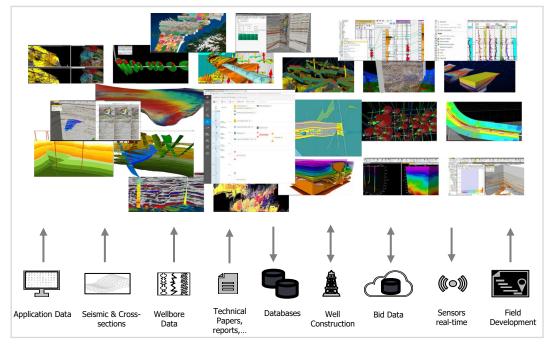


Background



Situation/Challenge

- **Data**: Large data volumes (Seismic & Well Data), Mixed data quality, Multiple sources
- **Applications**: Additional licenses require a lengthy procurement process, Updates / Patches, Management
- **Infrastructure**: Servers used for storage, and when required were not available!
- Collaboration: Restricted geographical collaboration (UAE, Iraq,...)

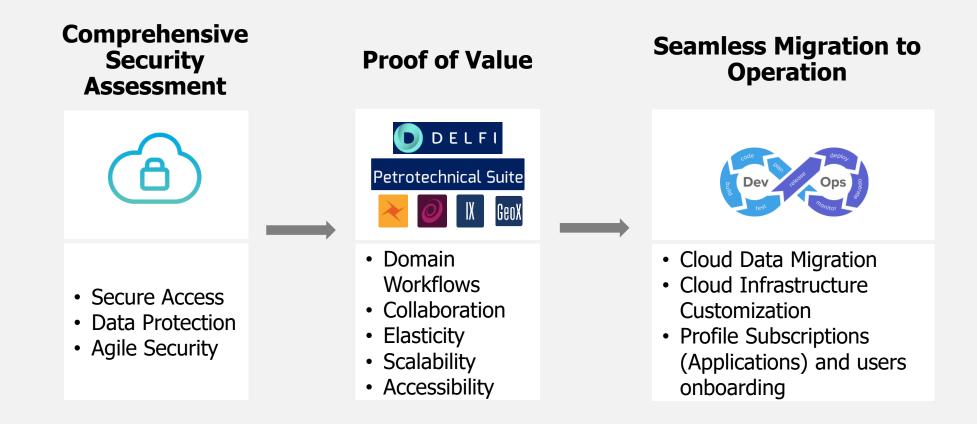






Schlumberger-Private

Deployment Plan and Approach

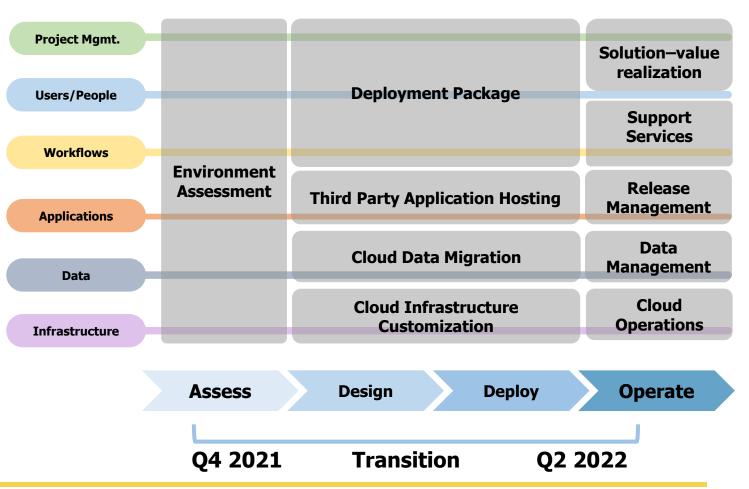




Assess to Operate in Four Months

Workstreams

- Cloud Data Migration
- Crescent G&G, RE and Petrophysics users onboarded
- Operational since early Q1 22





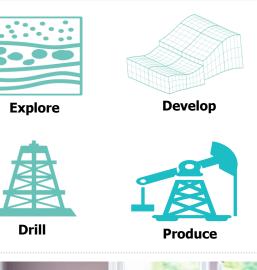
DELFI

The Experience

✓ Budget optimization:

- Elasticity on demand access to all applications
- Scalability on demand access to infrastructure resources
- ✓ Performance: 20% Computation Time Saving
- ✓ **Seamless** Data Ingestion
- ✓ Efficiency: Domains and Workflows Integration
- ✓ Collaboration Between Different Locations
- ✓ Accessibility / Remote Work



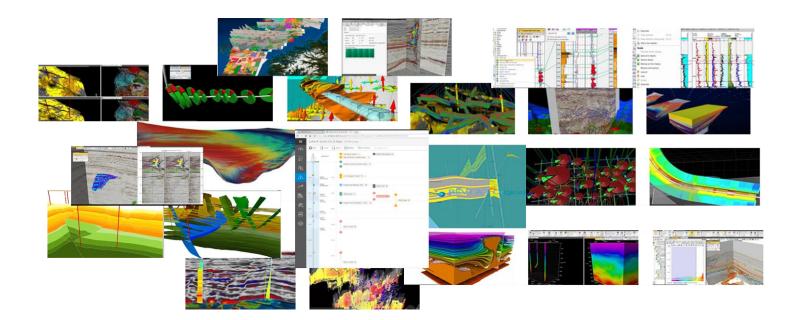






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THANK YOU

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