

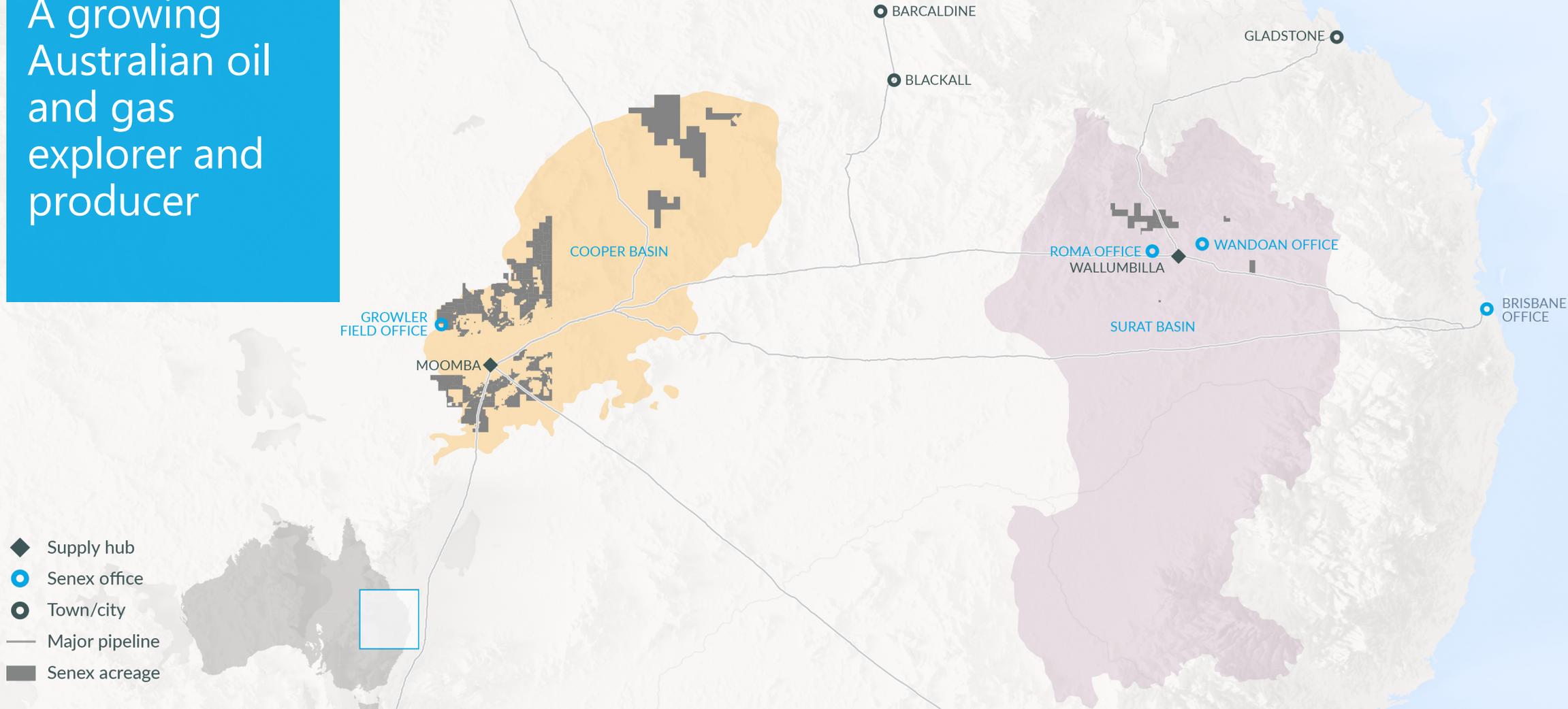
Senex's Digital Revolution:

A new way of working

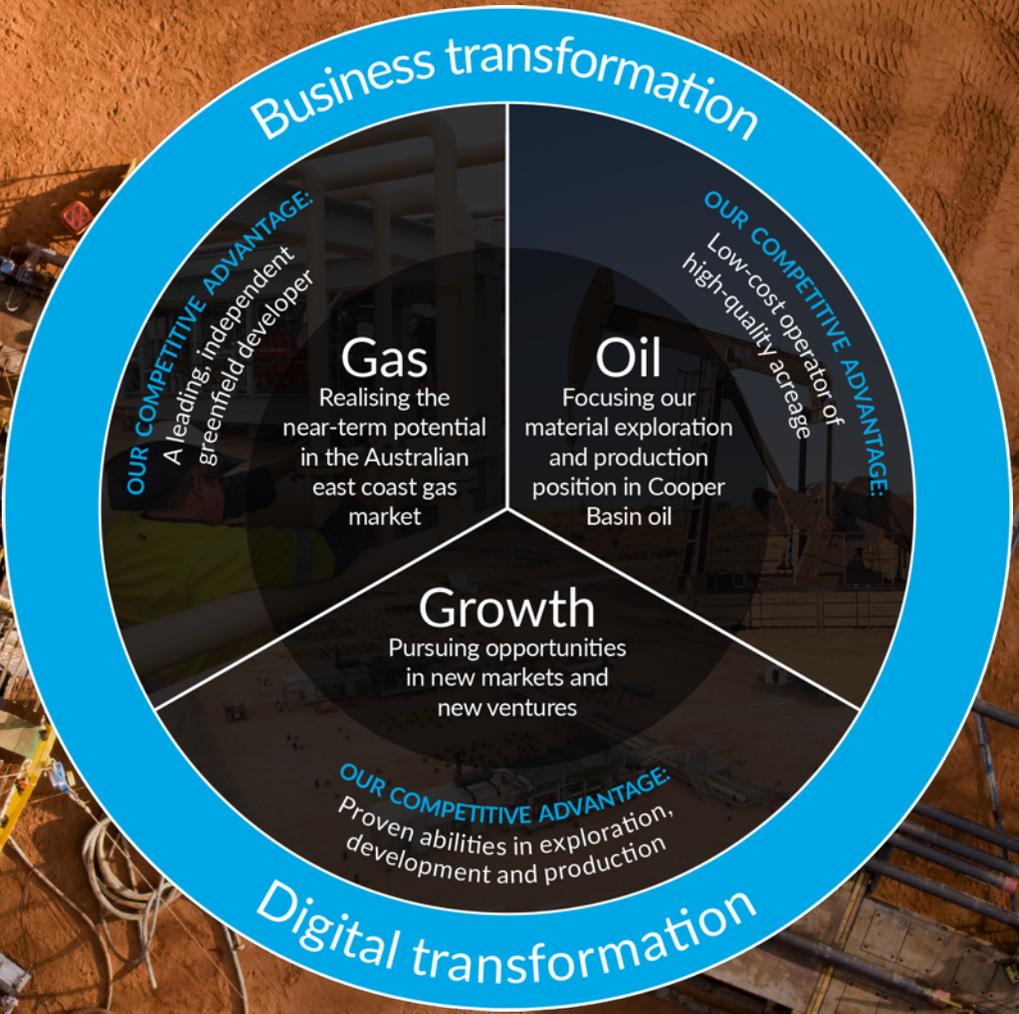
Ian Davies | 17 September 2019



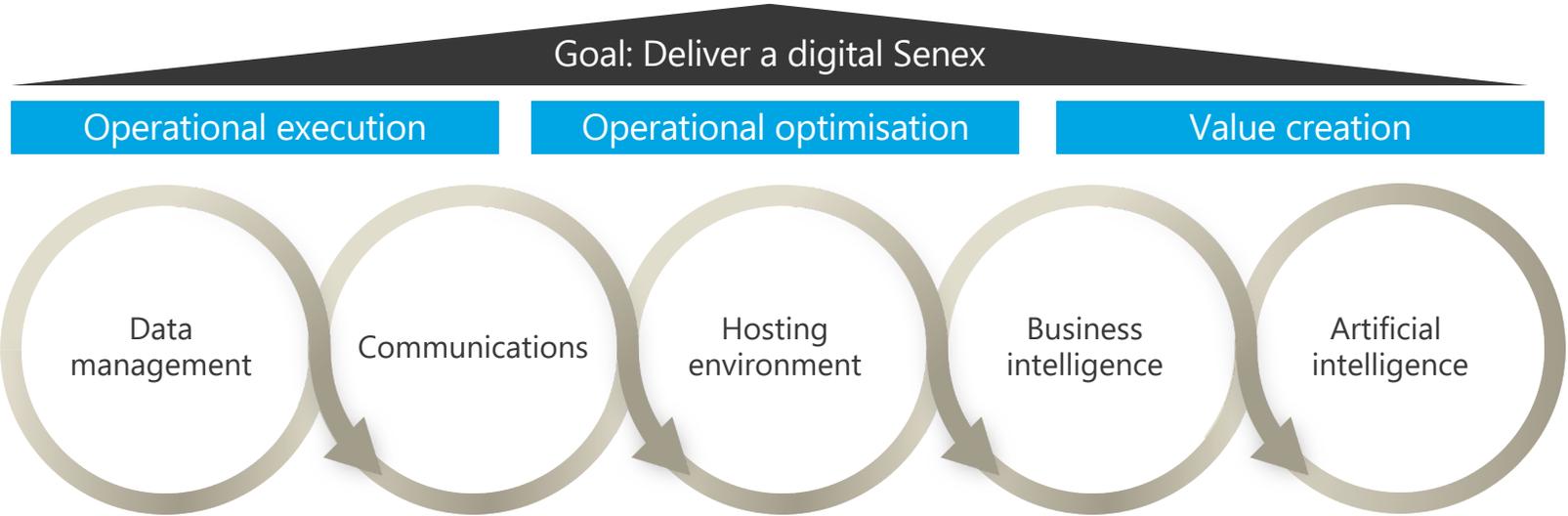
A growing
Australian oil
and gas
explorer and
producer



An E&P company in transformation



Using digitalisation to create value



Increasing return on investment

Guiding principles	Measurement: Measure success in terms of the contribution to our overall business objectives
	Risk: Cannot introduce risk into safety of our operations
	Technology: Introduce new technologies incrementally
	People: Drive engagement of our employees
	Jobs: Support our commitments to generate jobs in the communities in which we operate
	Alignment: Business-led and supported by our CEO and Executive

Key enablers to value creation

The substantial increase in subsurface and production data as we accelerate to up to 100 wells a year is a challenge.



Collaboration

Supported through our organisational structure, work environment, data and technology solutions



Infrastructure

Technical infrastructure and software solutions to best support our people and our strategy



Partnership

Partnering with our stakeholders, rather than transactional relationships



Efficiency

Access to our data, leveraging data science technologies



Flexibility

In everything we do

Enhancement of subsurface technology

 Infrastructure	 Current	 2019	 2020 and beyond
Data server	Physical servers	Cloud servers/SaaS	Cloud servers/SaaS
Hardware	Workstations	Workstations and laptops	Laptops/tablets
GIS server	Local physical server	Cloud servers/SaaS	Cloud servers/SaaS
Subsurface software	Local hosting	Cloud and local hosting	Cloud/SaaS
Subsurface data	Local physical server	In-house and cloud servers	Data ecosystem
Working environment	Desk-based work stations over four floors	Laptop-based collaboration	Laptop-based collaboration
Intelligence	N/A	N/A	ML/AI

Proof of concept testing of DELFI – early 2019

Benefits of DELFI for Senex



Scalability

Able to scale up/down
as required



Collaboration

Improved partnering
and decision making



Flexibility

Able to access data
from anywhere



Performance

Comparable to
high-end
workstations



Infrastructure

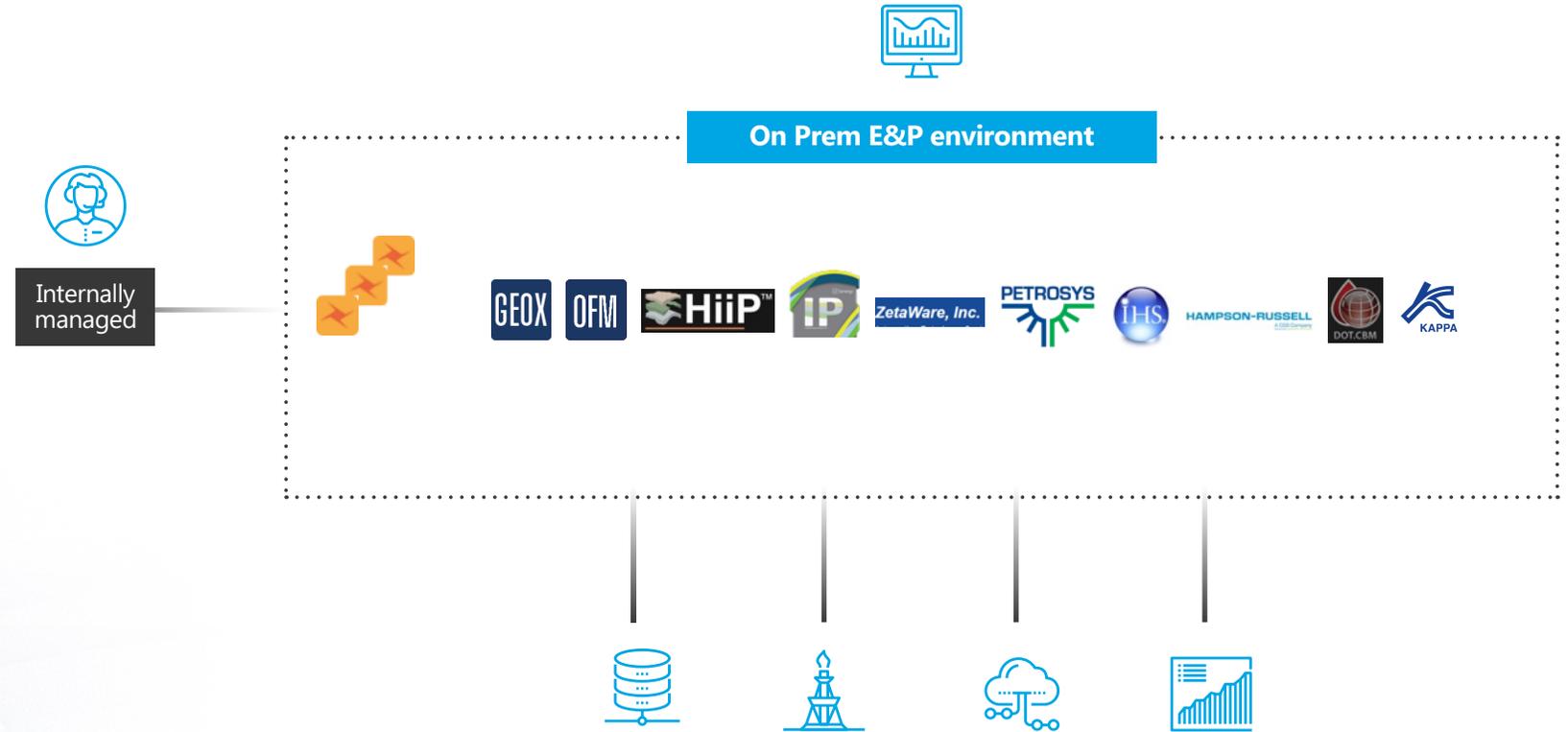
Able to access
subsurface data from
normal laptop



Licensing

More capability per
subscription

2018 Subsurface IT infrastructure



2019 Subsurface IT infrastructure



Internally managed



Scalable



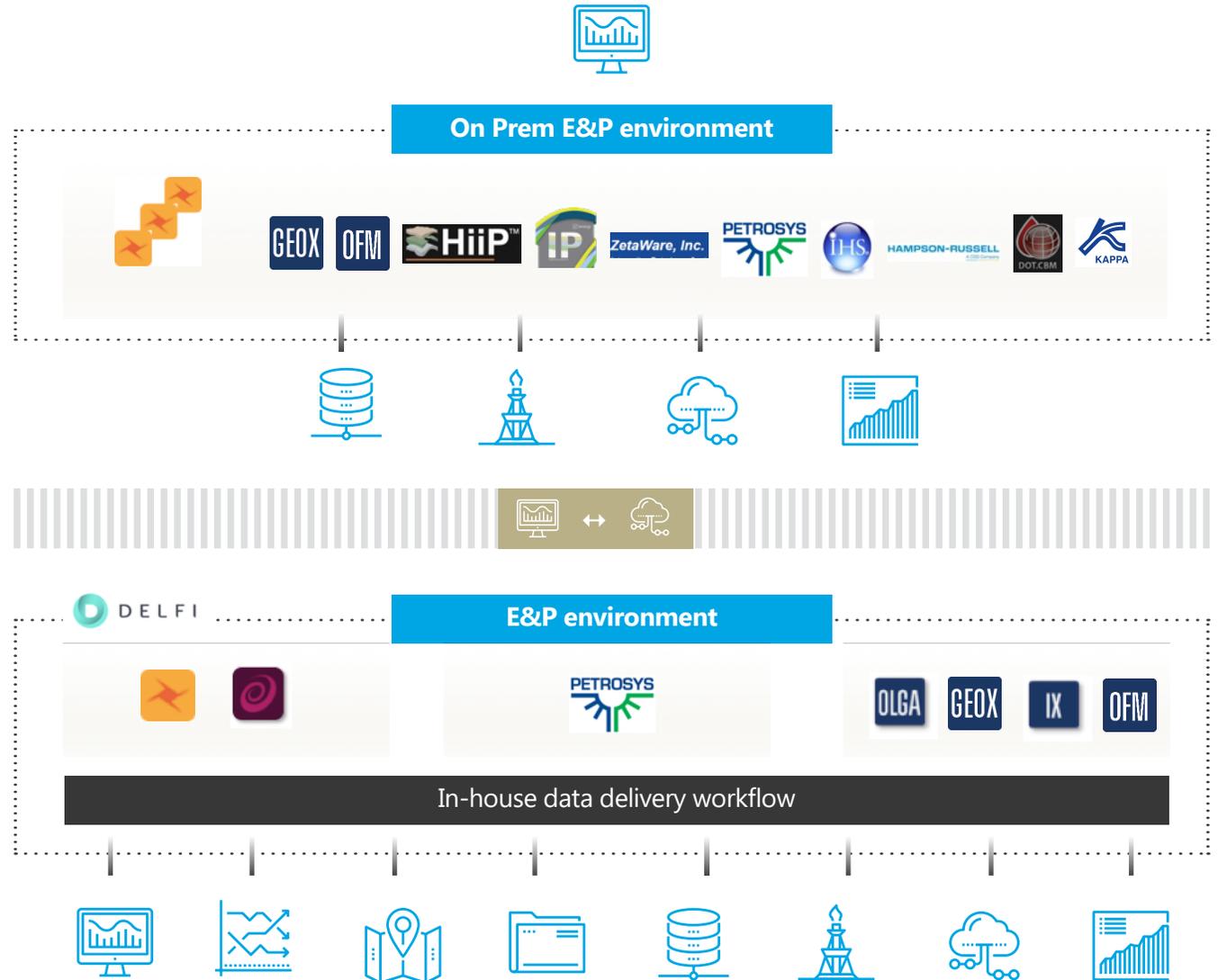
Secure



Open



Managed



DELFI deployment - 2019



Scalable



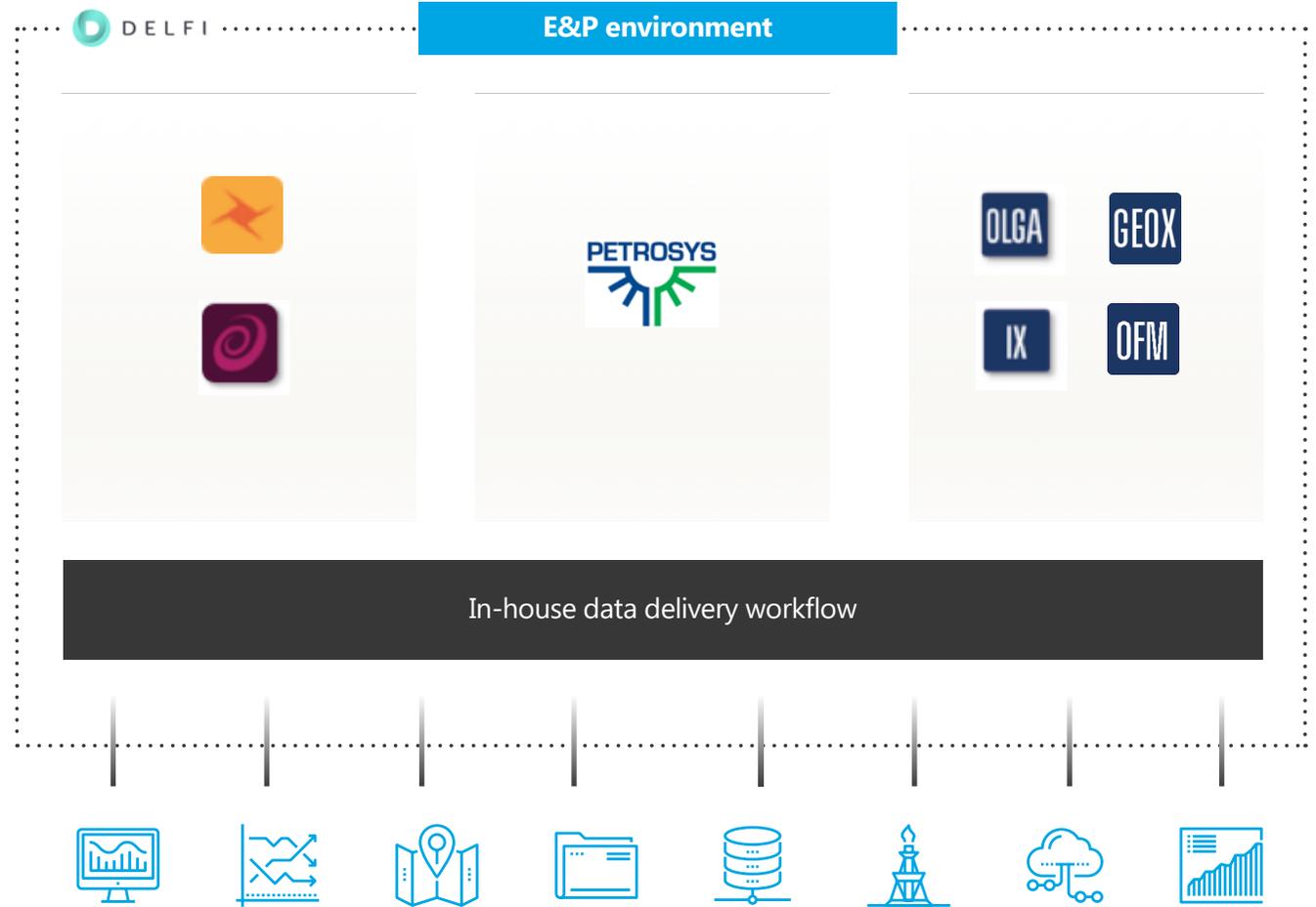
Secure



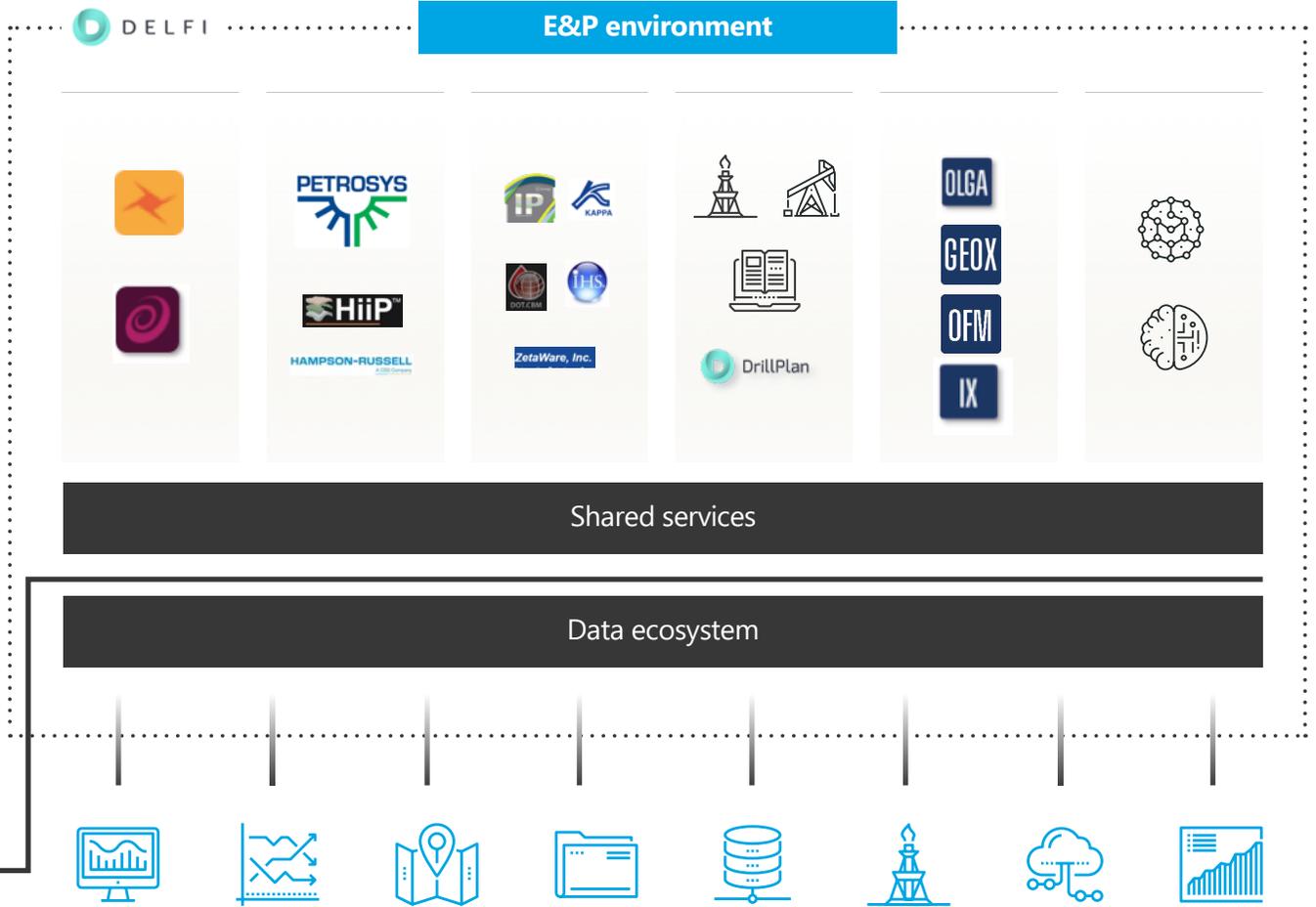
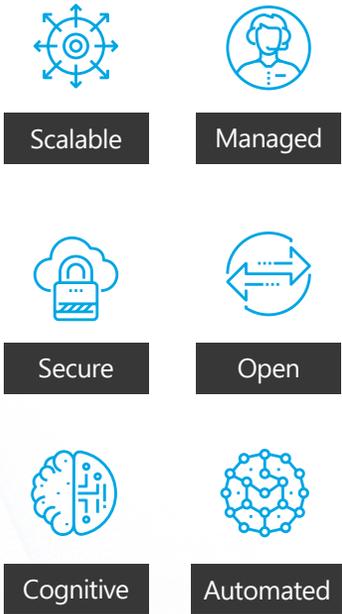
Open



Managed



Subsurface IT infrastructure – 2020 and beyond



Transformation in motion



Through partnering with Schlumberger, we:

Have successfully deployed
DELFI this month

Are exploring subsurface
“data management as a
service” as the next logical
step



We are now focusing on:

Data management

Insights in support of other
business critical processes

A current focus on our well
lifecycle

Any questions?