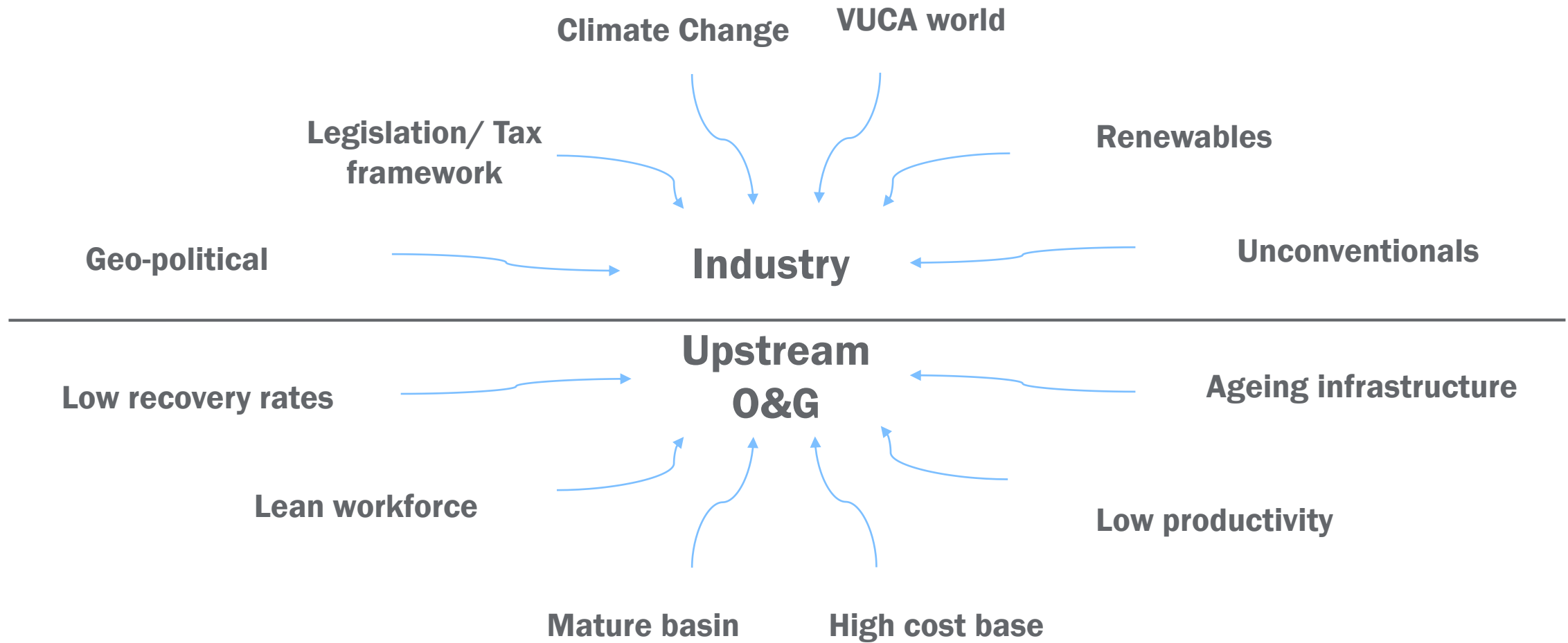


A holistic systems approach to maximizing economic recovery

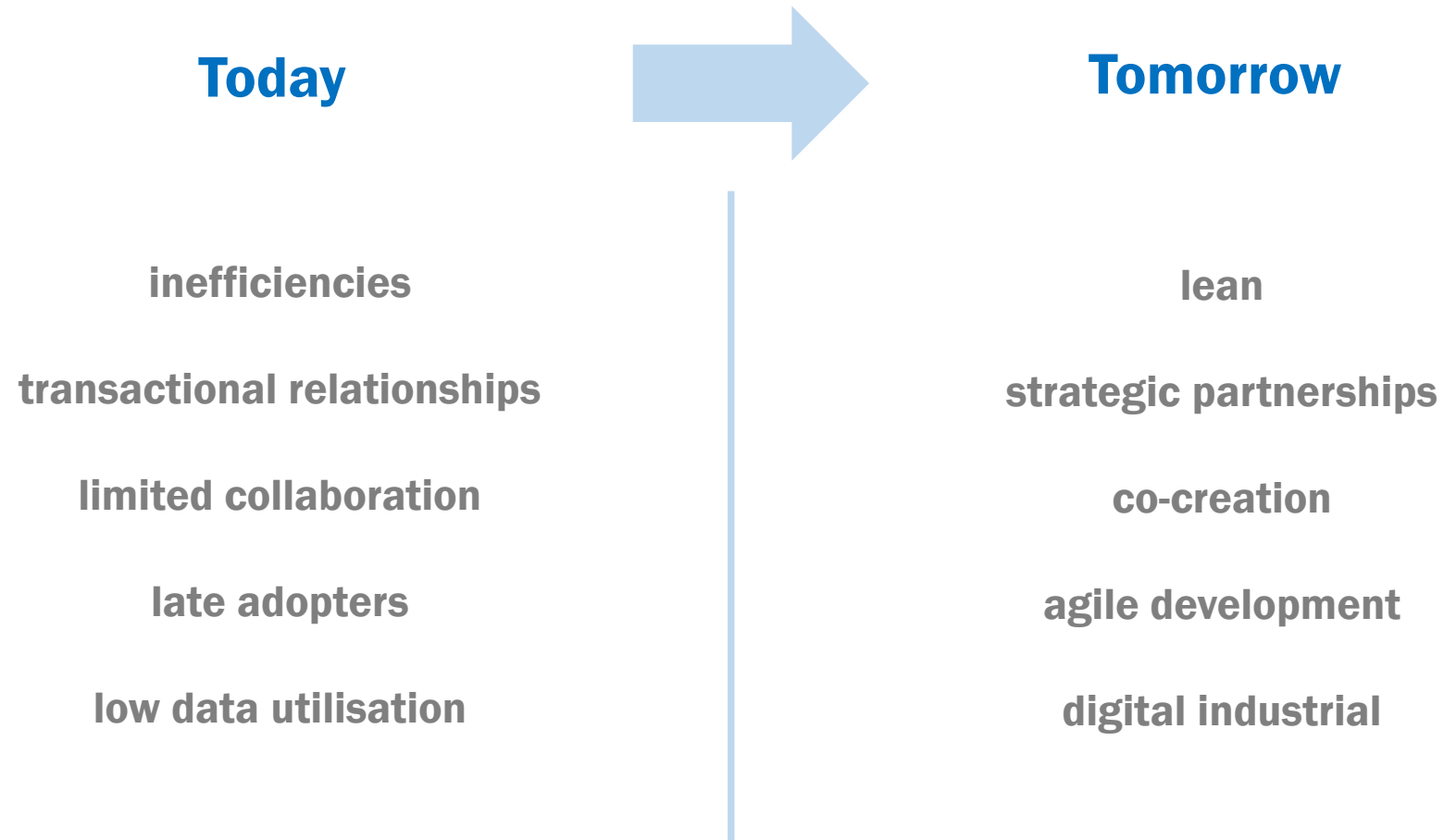
Martin Carruth
GE Oil & Gas



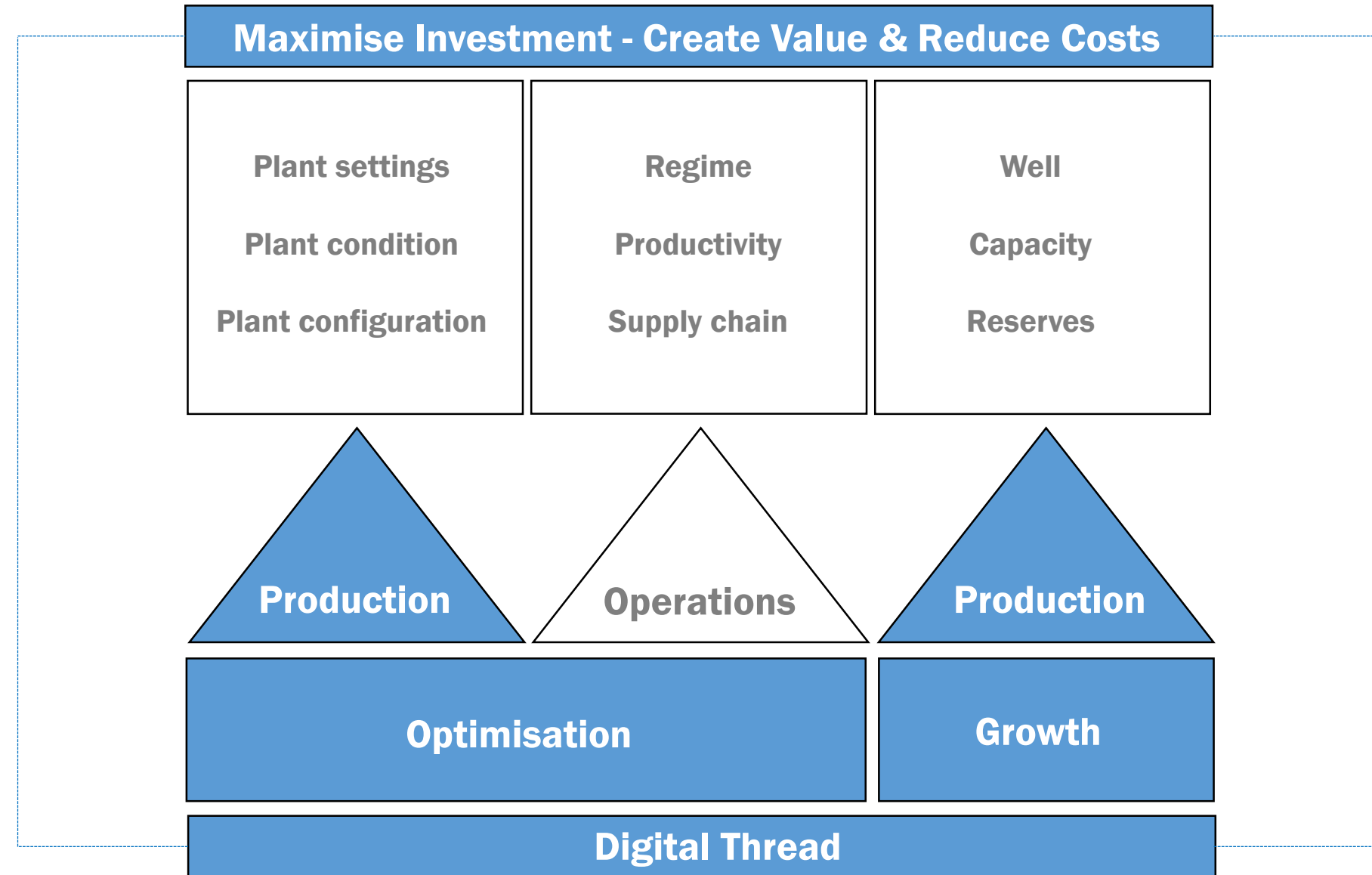
Oil & Gas Under Siege



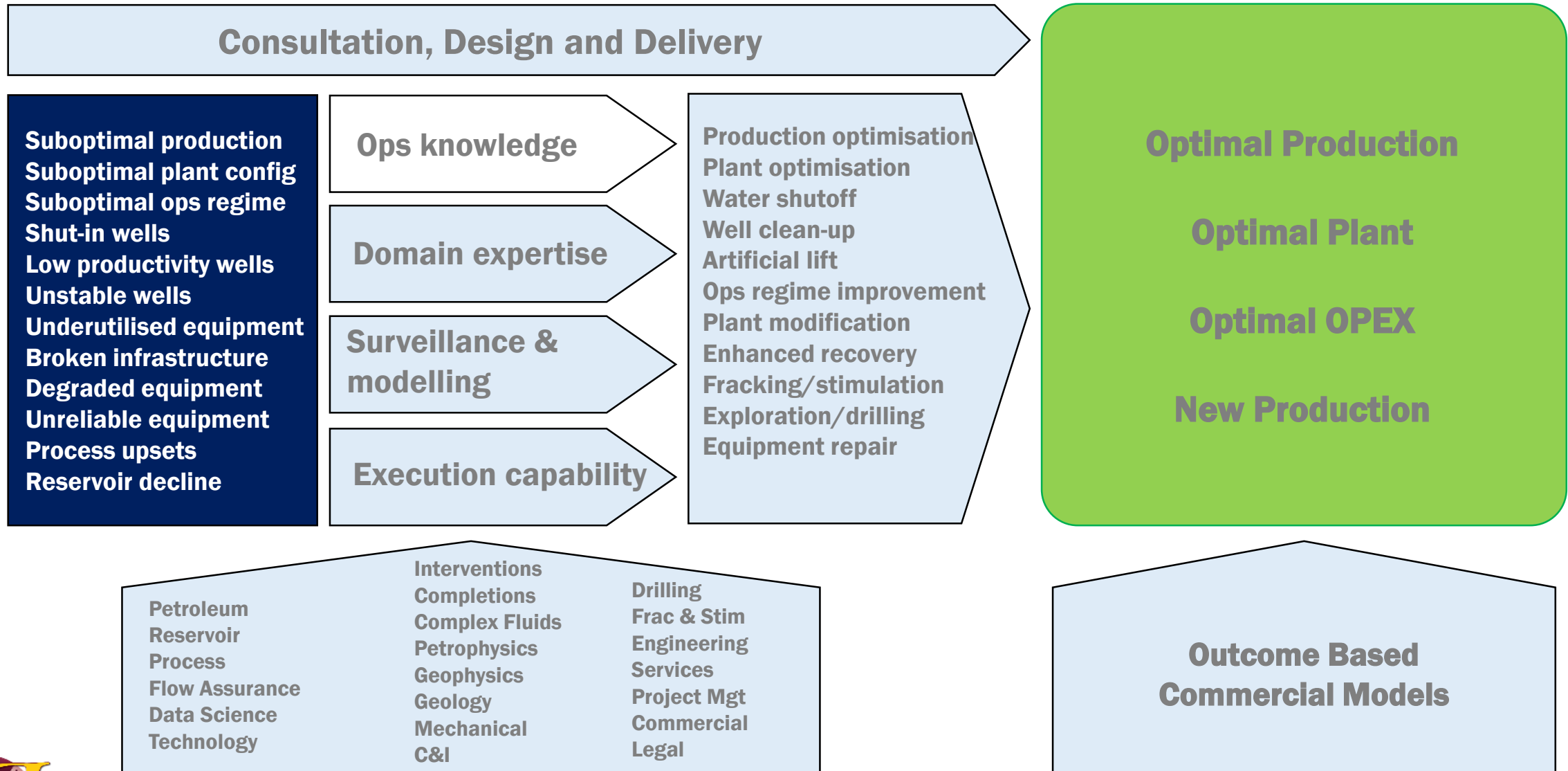
Focus On What We Can Control



Brownfield Optimisation & Life Cycle Extension Levers



Brownfield Optimisation & Life Extension



Moving from specific to holistic



**Services Integration
& Insights**



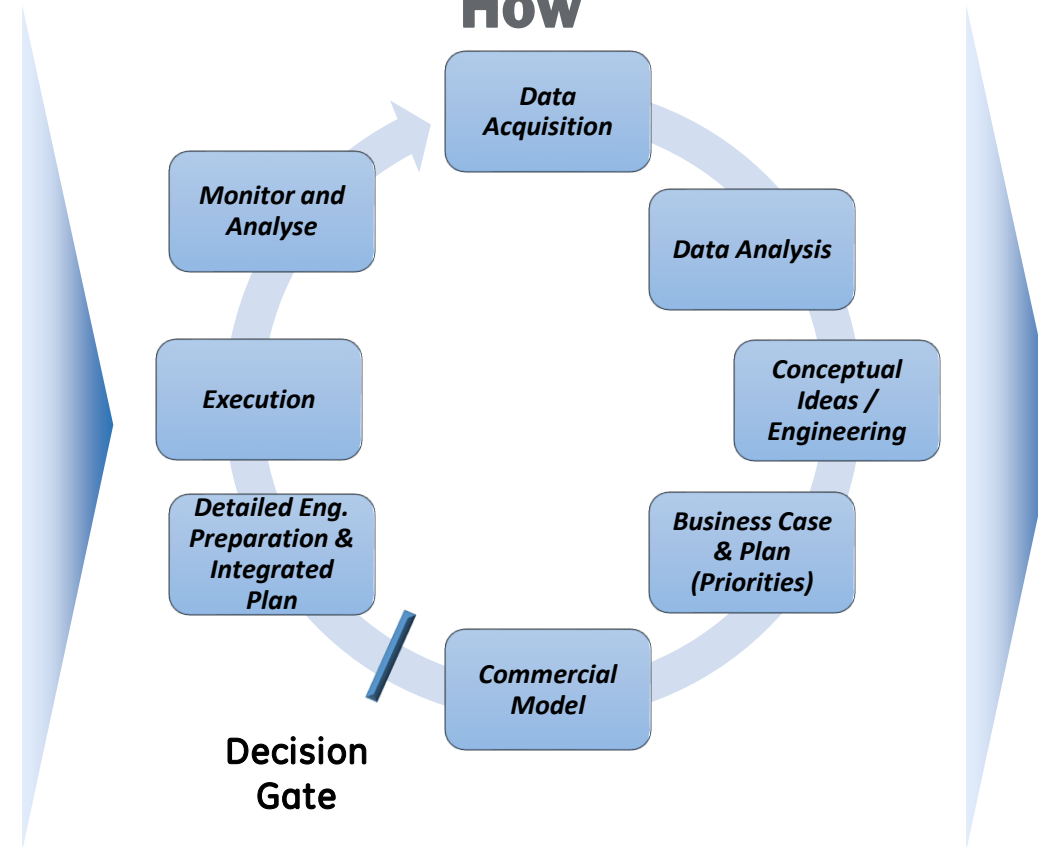
Collaborative, agnostic & transparent

Who

A strategic alliance between



How



What

- ↑ Production
- ↑ Ops and Maintenance
- ↑ asset availability
- ↑ ROI
- ↑ free cash flow
- ↓ OPEX
- Deferred COP and ABEX



Domain breadth

Commercial & Engineering rigour

Stronger outcomes



Diverse capability to enable better outcomes

	Challenge	Approach	Action	Outcome
	Production deferral	Simple data synthesis Collaborative analysis	SmartCenter installed ↓ Maintenance regime	Predictive analytics \$70M upside
	Constrained production	Holistic asset study Facilitated workshops	Power upgrade Turnkey injector	Choke relief +10 yrs on CoP
	Sour Hydrocarbon	Holistic & diverse Significant analytics	Plant/processing changes	Debottlenecking +5k bbl / day

Collaboration is key for winning together



Questions

Martin Carruth
Brownfield Asset Integrity Product
Manager
Subsea Systems
GE Oil & Gas

M +44 7799 657374
T +44 1275 811756
E martin.carruth@ge.com

