



human energy®

Translating Innovation into Value

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CTV – by the numbers

- **mission:** CTV adds value by addressing key business needs through the integration of innovative externally developed technologies
- **enduring support:** **at 20+ years**, Longest running continuously operating Corporate VC in O&G
- **unsurpassed resources:** **independent business unit** with experts who identify, evaluate, qualify, assist in piloting and scaling-up, and make equity investments in start-up technologies
- **successful track-record:** invested in over **100 start-ups** from around the world

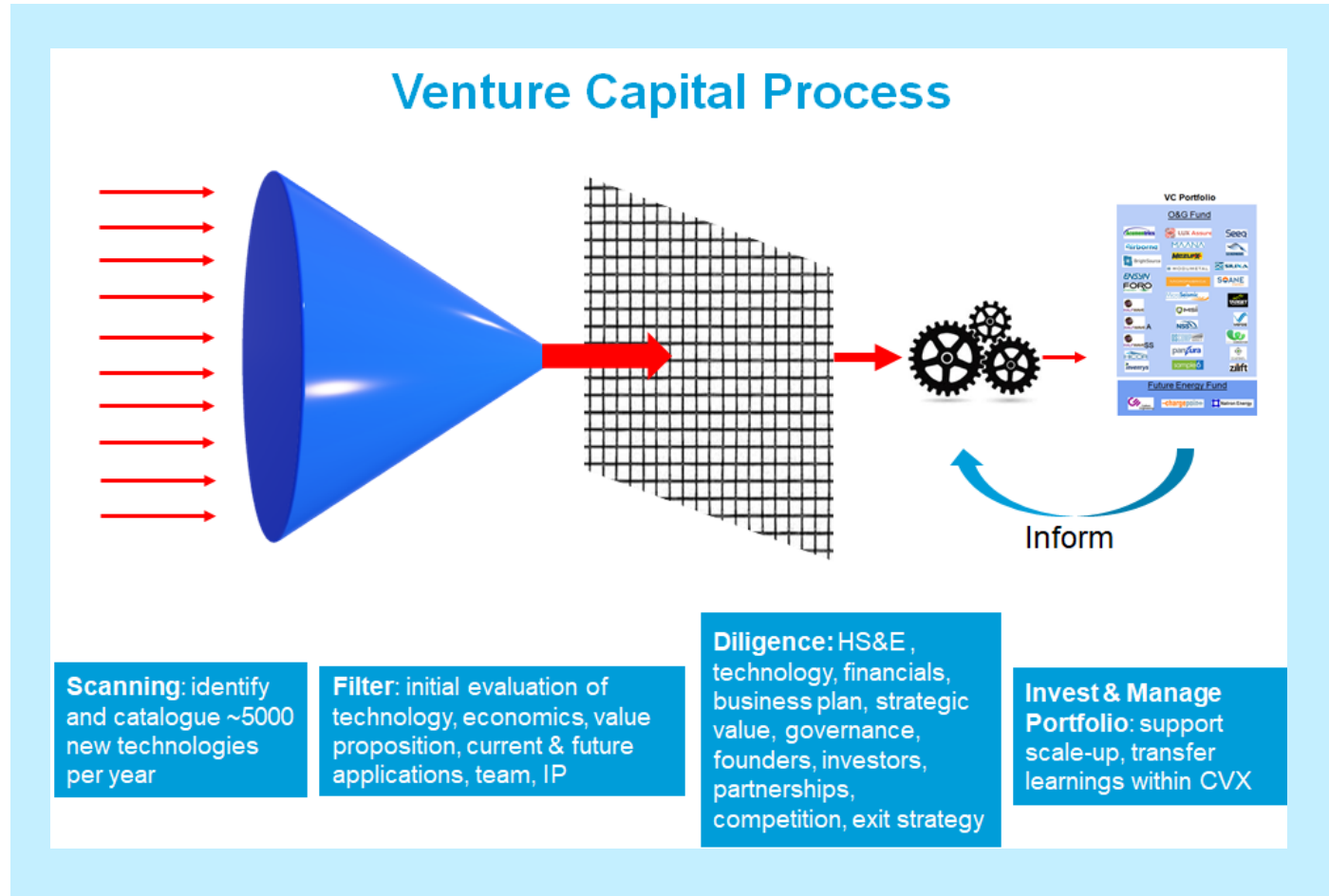


our organizational focus

Integrating technology to the core

how we do it is
as important as
what we do

- build relationships and networks to shape and encourage start-up and commercial innovation
- understand and link Chevron's business needs to external sources of innovation to gain business value



technology areas of interest

- Investment Thesis
- Investment Vehicles: Catalyst, SAFE, VC/Equity investment
- Active Funds: Core, Future Energies
- Syndicate: peers, financial VC's, corporates from other sectors

we scout the external landscape across key areas



digital & IT

edge and cloud computing,
mobile and cyber



future energy

power grid and advanced storage, new mobility
and fuels, emission reduction and conversion



water management

produced water and chemical
management, process optimization



emerging materials

asset integrity and lifetime extension, flow
assurance and DNA diagnostic methods

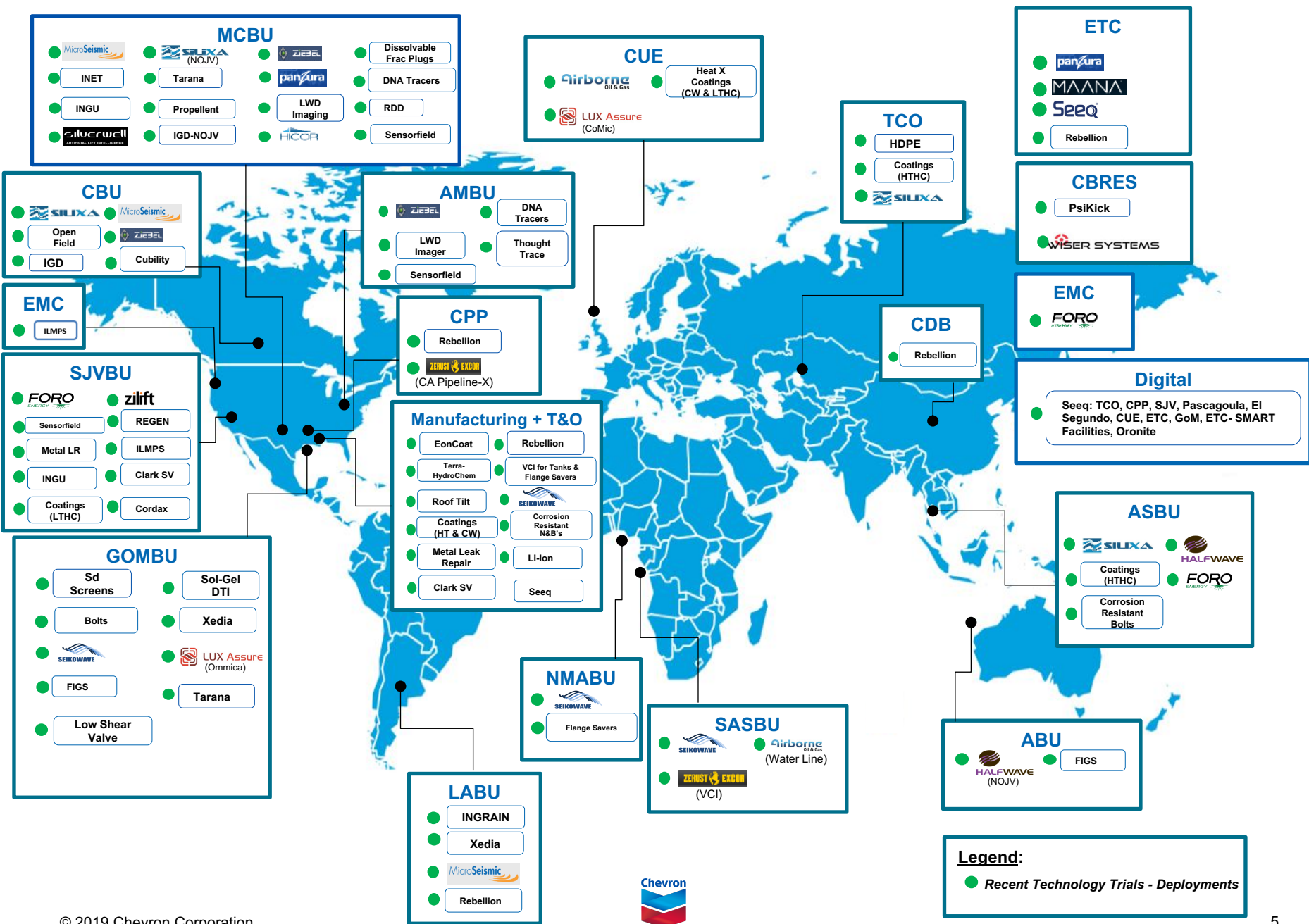


production enhancement

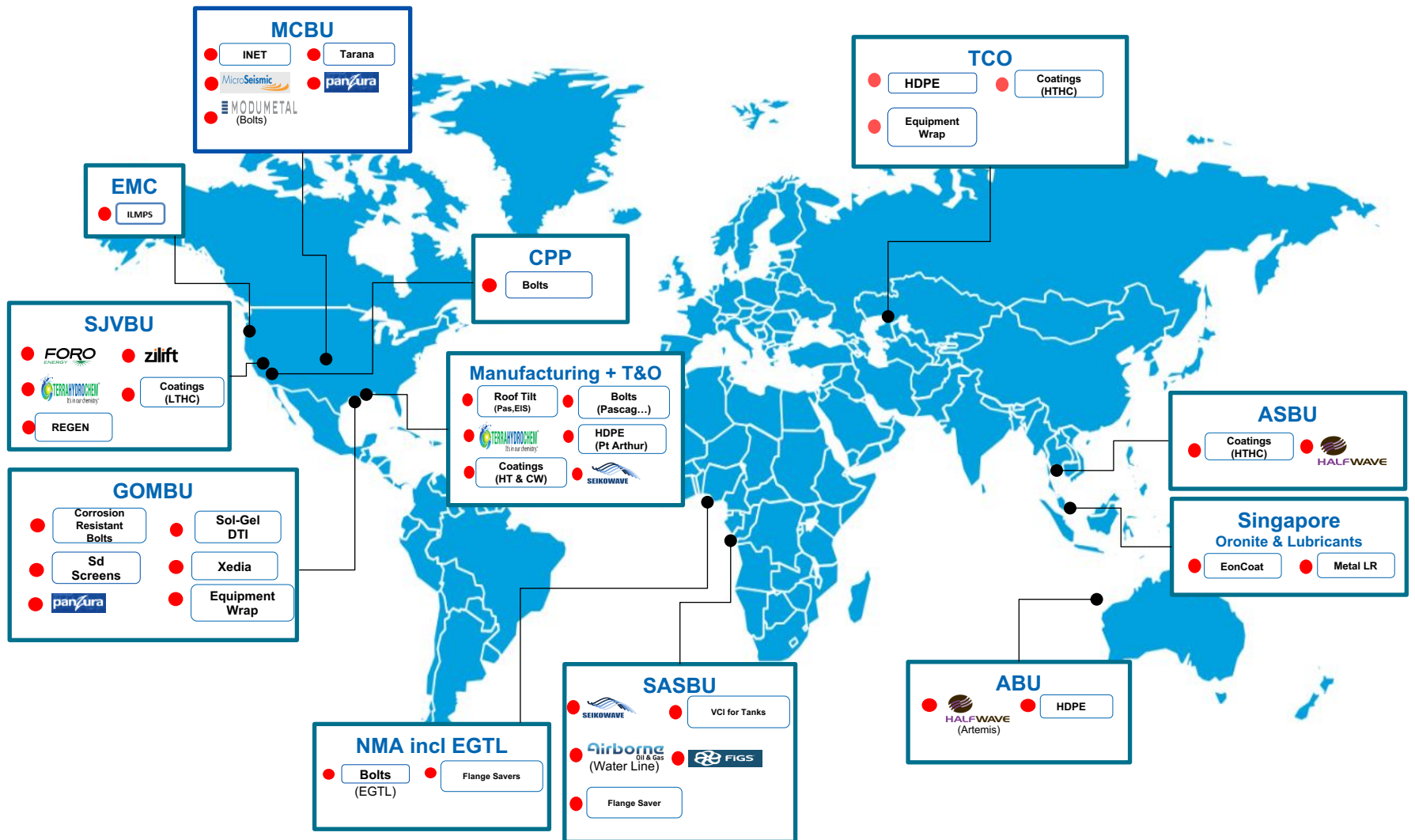
drilling, completion and intervention, improved lift,
remote sensing, sensing while drilling



field trials/deployments 2017-2019



first adoptions during 2017-2019



Legend:

- Recent Adoptions



value of new technology

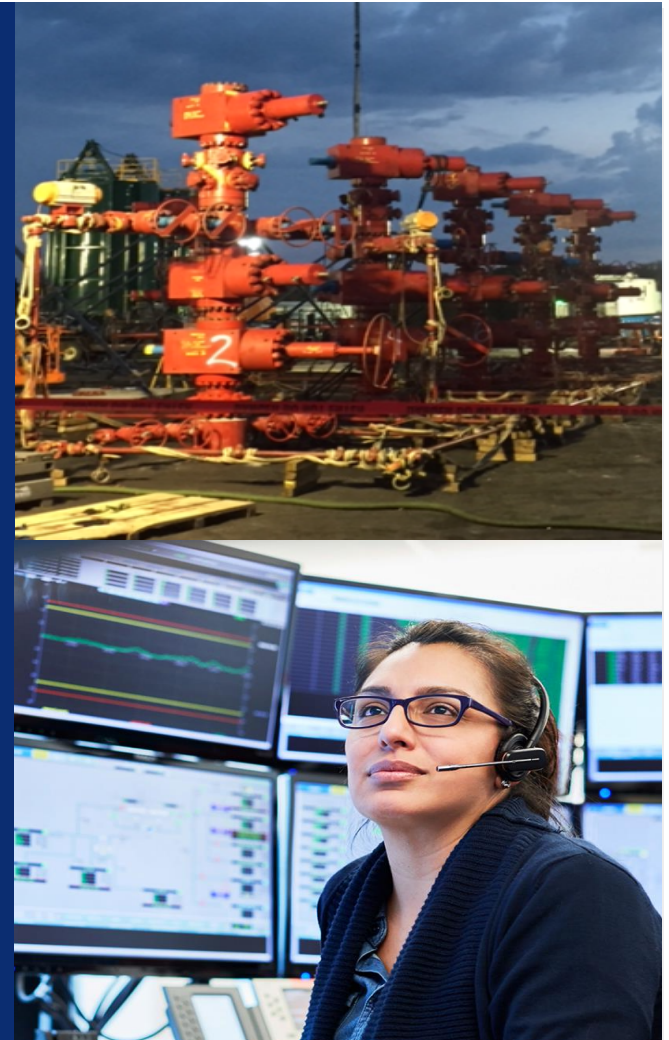
value from new technology is captured by:

- Specific use improvements: Immediate
- Future program improvement: Deferred
- Maintenance & reliability improvement:
Prolong useful life; amortized savings

- HES risk mitigation
- Human productivity improvements

value from digital tied to value drivers (AI/ML, big data, ...) that link to the above:

- Results in a combination of lower cost, increased performance/faster, new and better decision making



discussion | Q&A

Learn more at:

<https://www.chevron.com/technology/technology-ventures>

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