

November  
2020



Actions! Not just Insights

**FLUTURA BUSINESS  
SOLUTIONS**



# Flutura

## AI Powered Operational Excellence and Reliability for the Industrial World



Energy & Natural Resources



Process Manufacturing



OEM & Engineering Services



# Ranked #1 Globally



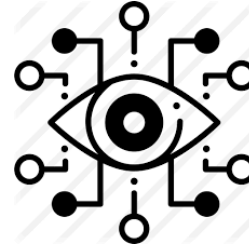
# 1 Billion USD

business outcomes to our customers

Thought Leadership | Agility | Trust

# PRODUCT PORTFOLIO

## Cerebra has a comprehensive suite of tools to address the AI value chain for the industrial world



### Platform and Digital Assistants

Core foundation to build and Deploy Industrial IoT applications and assistants to support day to day decisions



### Edge

Instantiate actions closer to operations site or plant for faster actions



### Vision

Goal Zero – Manufacturing Defects or HSE compliance using Advanced Analytics



### Engineer's Workbench & Cognitive Assistants

- Enable specialists to evaluate and optimize large scale operations
- Industrialize engineering analysis

# CEREBRA DIGITAL ASSISTANTS FOR OIL AND GAS

## Comprehensive set of applications to monitor and enhance performance through out the life of a well

### Drilling and Completion



Well Testing



Sand Management



Pressure Pumping Efficiency



Frac Job Performance

### Production Surveillance



Daily Well Ranking



Gathering System Pressure Profile



Field Performance



Well Profitability

### Production Operations



Well Routing Assistant



Instrument Calibration Assistant



VRU Monitoring & Diagnostics



Valve Monitoring & Diagnostics



Heat Exchanger Monitoring & Diagnostics




Field Review Assistant



Separator Diagnostics



Tank Management & Diagnostics



Compressor Diagnostics



Meter Monitoring & Diagnostics

### Production Excellence



Gathering System Optimization



Well Pad Optimization



Artificial Lift Optimization



Production Forecasting



Separator Optimization



Powering emergency assistance & Response Center

Cerebra  
deployed across  
multitude of  
use cases.



Powering digital controls for the world's first compact production skid



Increasing profitability of production operations for Oil Fields



Reducing flight turn around times in airports due to Ground Support Equipment



Powering high precision manufacturing preventing production off spec



Powering process unit calibration and simulation



Compressor diagnostics and failure prediction

# CEREBRA DEPLOYMENTS IN THE ENERGY SECTOR

Cerebra is deployed across multitude of use cases. We have provided audacious solutions to complex engineering operations

Drilling Performance  
Optimization Centre

Pressure Pumping  
Operations Assistant

Gathering System  
Optimization

Fleet Management

Yield Optimization

Drilling &  
Well Completion



Production



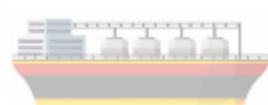
Gathering Systems



Tanks & Terminals



Transportation



Transmission



Gas Processing Plant

Refinery



Chemical Plant



Asset Diagnostics &  
Predictive Maintenance

Production Assurance

Hotline Emergency  
Assistance & Response

Quality Assurance



SOUTHWEST GAS





# MISSION CRITICAL DEPLOYMENTS

## Cerebra is deployed across 5000+ industrial facilities



**180 Live Rigs**


Drilling Performance Optimization



**150 Live Sites**

Potential Sites **1200**


Quality Diagnostics & Prognostics



**600 Frac Pump**

Potential Sites **1000**




Asset Diagnostics



**180 Well**

Potential Sites **5000+**


Well Performance Benchmarking



**2 Lines**

Potential Sites **20+**



Quality Prediction & Simulation



**2 Production Sites**

Potential Sites **10**


Production Optimization



**17 Compressors**

Potential Sites **300**

Maintenance Optimization



**300 Wells (Ongoing)**

Potential Sites **2000+**

Gathering System Optimization



**2.5B+** Data Points Daily



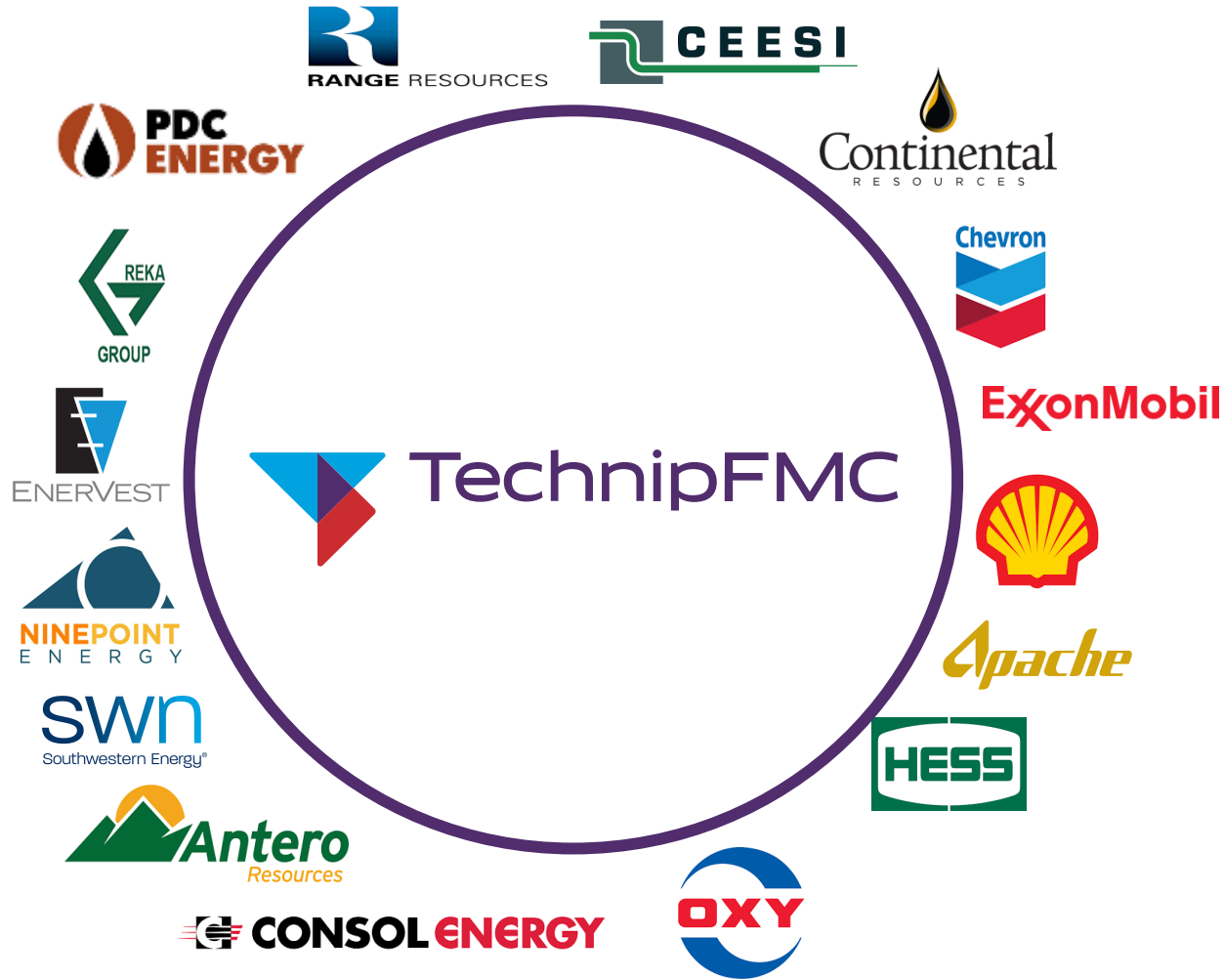
**4000+** Users



**20+** Countries

# FLUTURA POWERING NEW BUSINESS MODELS TO OEMs

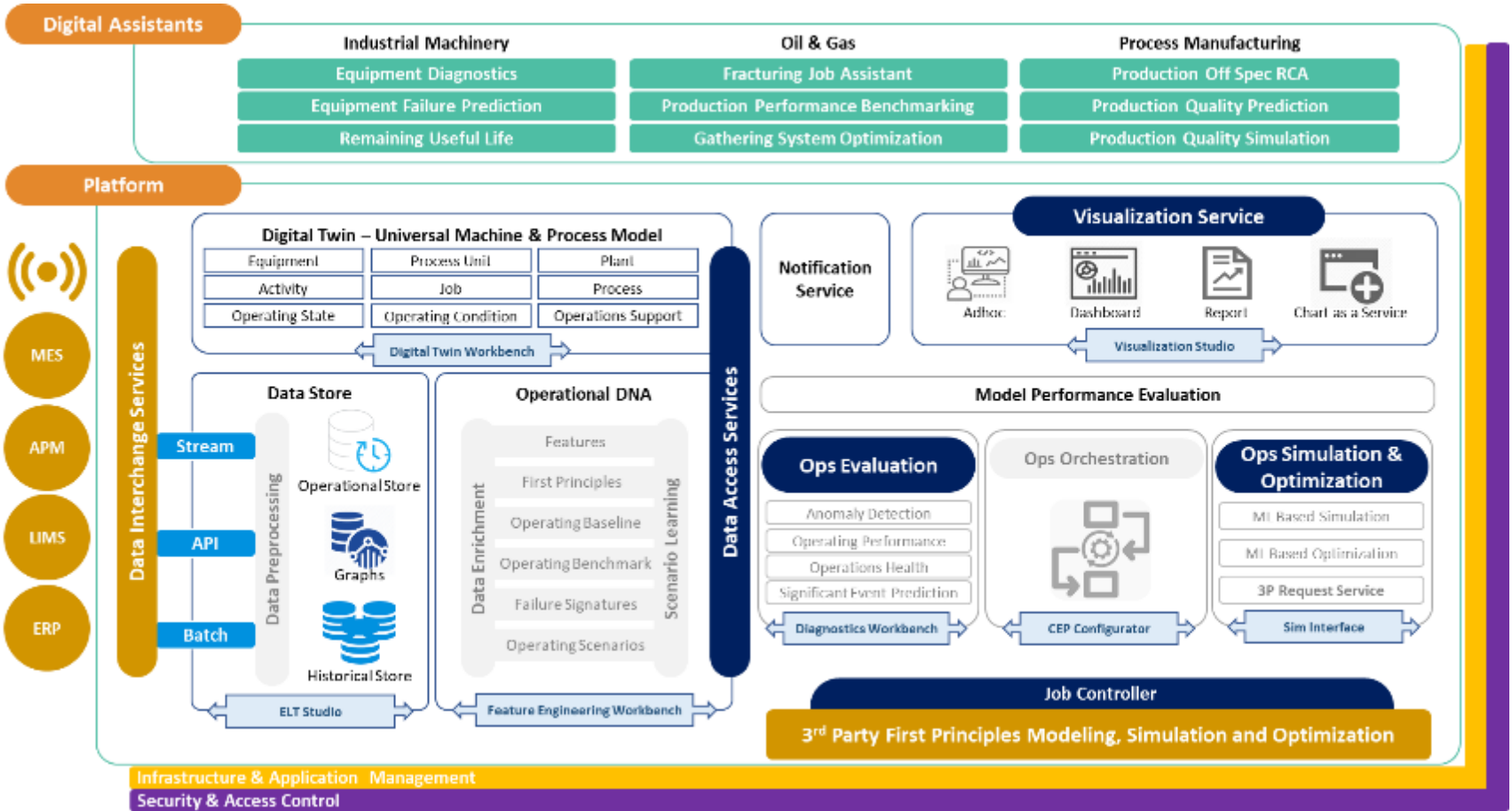
## Cerebra is bundled along with OEM equipment





# CEREBRA CORE CAPABILITIES

Cerebra has a comprehensive suite of tools to address the AI value chain



- Highly **extensible digital twin** to support advanced analytics
- **Open platform** to support 3P integration of tools and technology
- **Complex Event Processing engine** for Very Large-Scale Operations
- Wide **visualization experience** choices
- **No Code / Low code** led deployments

# CEREBRA GLOBALLY RANKED #1

## Our customers experience Thought Leadership, Agility & Trust



*Great Technology and Platform, But  
An Even **Better Team Behind It!***

**VP Digital Operations in a O&G Industry**



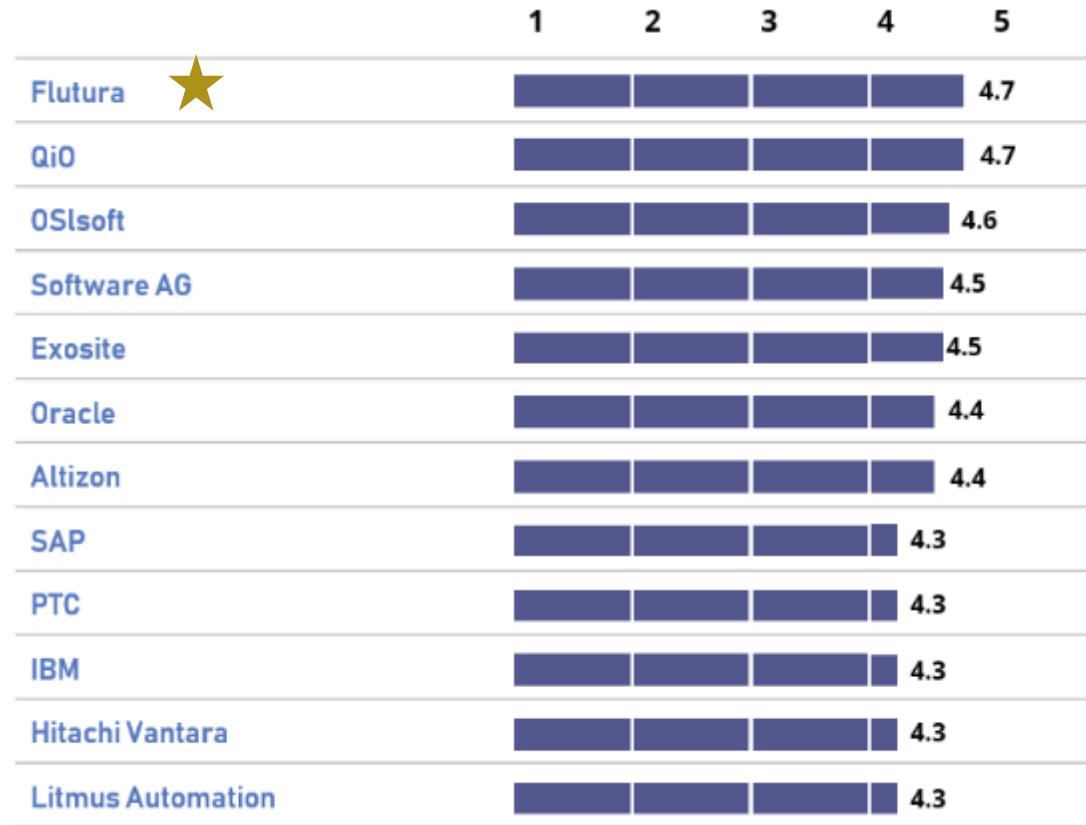
*I am really amazed how they have been  
able to **Scale up their solution across  
multiple lines globally** in such a short time*

**Global Head Digital Operations, Process Manufacturing**



*Cerebra's **Analytics Capabilities** And Their  
**Agile Implementation** Approach Are  
Impressive*

**Senior Manager R&D , O&G Industry**



Source: Gartner Peer Insights, Excluding names with <10 reviews



**“Congratulations ! Flutura is the HIGHEST ranked vendor in the Voice of the Customer research for Industrial IoT ! ”**

A background image of an industrial facility, possibly a refinery or chemical plant, with complex piping, scaffolding, and storage tanks. The image is overlaid with a semi-transparent blue filter. The text is centered over the image.

# Thank You

*Nothing delights us more than winning your Trust*

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