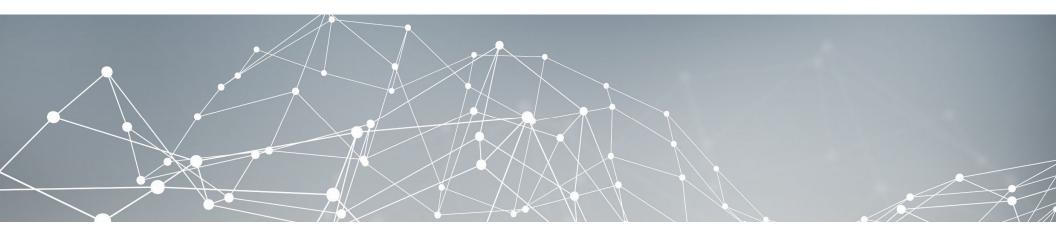
OUR VISION



Connecting People

Aucerna's vision is to provide the golden thread

of information that connects decision makers from operations to the boardroom in the modern energy industry.

AUCERNA STACK

Aucerna







Planning



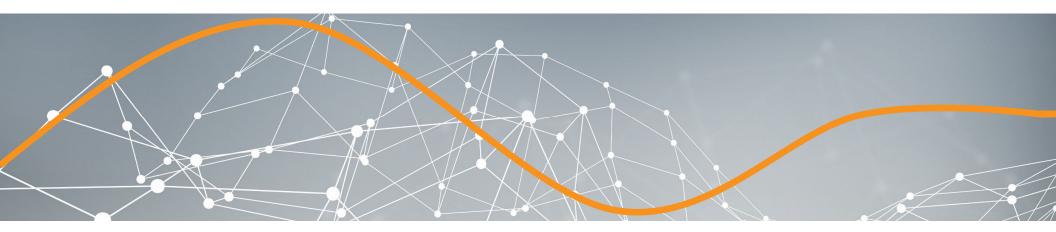
Reserves



В

AFE Management RTx Workflows Budgeting & Forecasting Operations Scheduling Field / Asset Development Planning Exploration & Appraisal Risk Strategy & Decision Analysis Business Planning Technical Forecasting Reserves Estimation Reserves Management Petroleum Economics

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Most Trusted Market Leading Integration Expertise





Field / Asset Development Planning Exploration & Appraisal Risk Strategy & Decision Analysis

Reserves



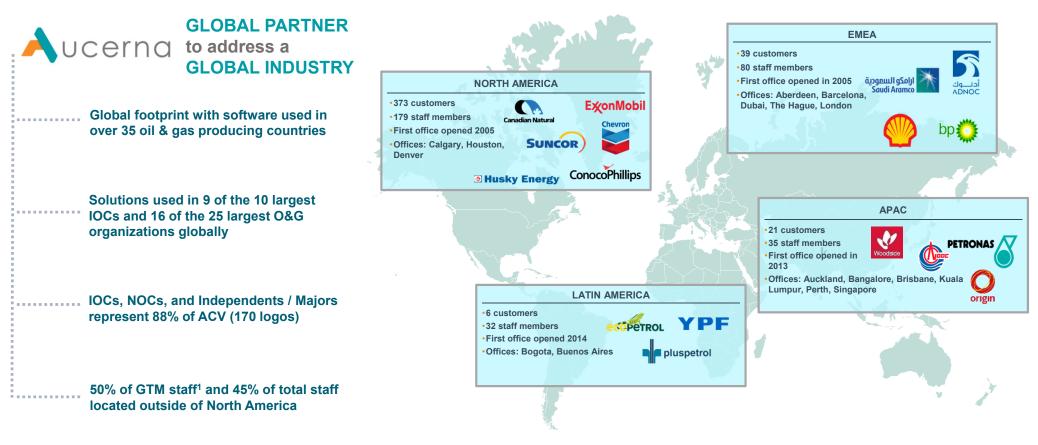
Technical Forecasting **Reserves Estimation** Petroleum Economics

Business Planning

Upstream Oil & gas industry Software Paradigm

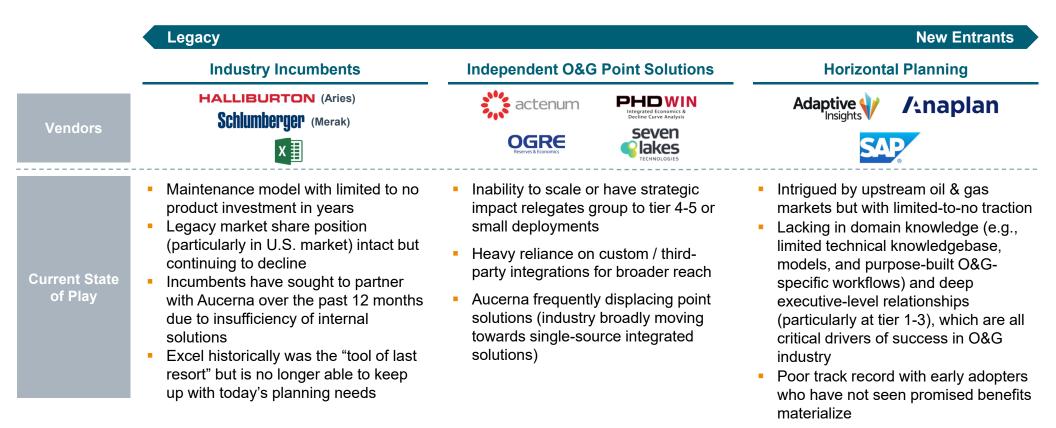
	Maturity	Legacy Incumbent	Design	Build	Operate
Investment Layer (Back Office)	Mature	SAP	ERP, budgeting and related systems focused on historical financial analysis	Supply chain management, logistics, procurement and business performance management	AUCEING Reserves Production accounting, allocations and reserves management
Business Layer (Front Office)	Early-Stage Growth	None	Portfolio Space enersight PetroVR Strategic planning, asset development, economics, and risk / uncertainty analysis	Capital management, operational scheduling, activity planning, and well lifecycle management	Field data gathering (SCADA, RTC, IoT) and integrated asset management
Physical Layer (Technical Office)	Late-Stage Growth	Schlumberger HALLIBURTON	Val Nav Technical reserves assessment, reservoir modeling / simulation, earth modelling, and geosciences	Surface infrastructure design, facility design / simulation, well design, and drilling	Flow assurance, surveillance, and well maintenance execution

Global Footprint



Note: ACV and customer counts figures represent July 2018 LTM. Headcount figures as of Dec-18. 1 Includes Account Managers, Client Care, Global Account Managers, Sales Management, and Technical Consultants.

Aucerna's unique positioning



Aucerna & today's E&P challenges

Key Front Office Challenges



Data Integrity: Strategy, planning, and execution teams

operating in siloes off of *disparate and inconsistent data sources*

How Aucerna Addresses Challenge

Provides the bridge for operational activity, strategy, and financial outcomes – Aucerna **ties strategy to resources, actions, and business realities** that creates transparency and accountability

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Data Connectivity: Disconnected data systems makes dynamic planning and execution extremely challenging



Eliminates manual and duplicative efforts to streamline and vastly increase productivity by leveraging a single source of data and integrated workflows throughout the organization



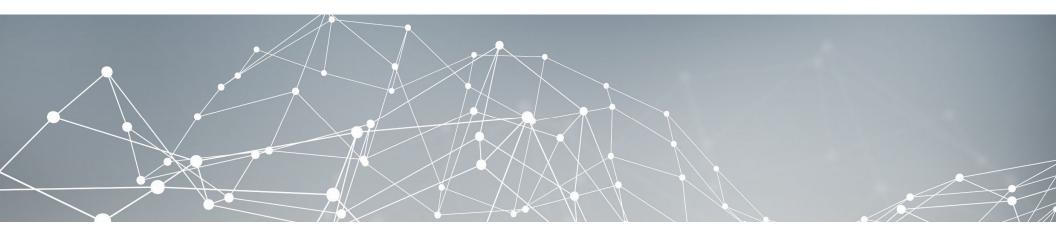
Business Insights: Making decisions without complete information and *relying on instinct rather than analyses*

Integration of planning and reserves provides a uniform view of a company's assets resulting in increased efficiency and more informed decisions

Why this Matters

- Industry has shifted to focus on maximizing profitability versus maximizing production – the right decisions to optimize operational efficiency is more critical and under more scrutiny than ever
- Volatile oil price has increased awareness and importance of longer-term planning and datadriven decision making framework
- E&P organizations are highly complex with exposure to volatility – lack of data consistency between the front office, business units, and asset teams exacerbate this industry dynamic
- E&P capital planning process is time consuming, duplicative, and labor intensive, which has become more apparent as planning is now an evergreen process and no longer just a nice-to-have annual exercise
- Normalized mid-range oil prices puts incremental stress on global capex decisions and resource planning

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Portfolio Optimization and Uncertainty Analysis



Advanced portfolio optimization & uncertainty analysis



Optimize complex portfolios

Leverage the power of advanced optimization to quickly evaluate the optimal mix of dissimilar and high-risk assets.

Rapidly evaluate strategic alternatives

Understand operational and financial tradeoffs through scenarios that honor company goals & constraints.

Analysis of Risk and Uncertainty

Incorporate predictive analytics to help understand downside exposure and to quantify the probability of meeting short-term and long-term goals.



Unlock the performance potential of your upstream portfolio