

HYBRID

INVESTOR PRESENTATION

Spring 2023

Average ROP 38.4m/hr

Sliding ROP 1.0m/hr

Rotating ROP 1.0m/hr

0.0m/hr 10.0m/hr 20.0m/hr 30.0m/hr 40.0m/hr

Time Summary

Sliding Hrs 1.7 hrs

Rotating Hrs 1.3 hrs

Rotating Hrs 1.3 hrs

TOP DRIVE FEEDBACK

DRILL TORQUE (K FT-LBS)

18.0

RPM

75.0

HPU

START

STOP

EMERGENCY STOP

Forward-looking Statements

Disclaimer & Advisory

- This presentation contains forward-looking statements based upon current expectations that involve several business risks and uncertainties. These statements are not guarantees of future performance and are subject to certain risks and the user should not place undue reliance on these forward-looking statements as there can be no assurance that the plans, initiatives or expectations upon which they are based will occur.
- The factors that could cause results to differ materially include, but are not limited to, political and economic conditions, widespread medical situations and government responses to the same, such as pandemics or epidemics, crude oil and natural gas prices, foreign currency and interest rate fluctuations, weather conditions, the Company's defense of lawsuits and the ability of oil and natural gas companies to pay accounts receivable balances and raise capital or other unforeseen conditions which could impact on the use of the services supplied by the Company.
- Users are cautioned that the foregoing list of important factors is not exhaustive. Unpredictable or unknown factors not discussed in this presentation could also have material adverse effects on forward-looking statements. Although the Company believes that the expectations conveyed by the forward-looking statements are reasonable based on information available to it on the date such forward-looking statements are made, no assurances can be given as to future results, levels of activity and achievements. Except as required by law, the Company assumes no obligation to update forward-looking statements should circumstances or the Company's estimates or opinions change. See the Company's most recent annual and quarterly report, available on the Company's website and SEDAR, for more details on the Company's use of forward-looking statements and advisory.
- This presentation contains references to Non-GAAP financial measures, such as EBITDA. The Company views these as useful supplemental measures for management and investors to analyze operational performance. EBITDA is calculated as income (loss) before interest, income taxes, depreciation, asset decommissioning and write-downs, share-based compensation and foreign exchange, gain on bargain purchase, restructuring costs and other. See the Company's most recent annual and quarterly report, available on the Company's website and SEDAR, for more details on the Company's use of Non-GAAP financial measures.

Ensign

Built to emphasize capital efficiencies and prioritize free cash flow



DISCIPLINED CAPITAL STRATEGY

- Committed to maintenance capital and selective upgrade program to ensure asset strength and financial flexibility
- Relatively young fleet with predictable and lower maintenance requirements into the future

DRIVE FINANCIAL FLEXIBILITY

- Prioritizing free cash flow generation
- Low fixed cost, high variable cost business
- Deploying free cash flow to debt reduction

ENHANCE PROFITABILITY

- Through performance-based contracts and drilling solutions supported by our EDGE technology platform
- Developed in-house and highly scalable, our EDGE Autopilot ensures drilling KPIs are met consistently and reliably

PRESERVE GEOGRAPHIC DIVERSITY

- Maintain market leadership position in Australia
- Strong exposure to high torque basins in the US
- Consistent market share in Canadian basins
- Stable and long-term Middle Eastern contracts

DELIVER ESG EXCELLENCE

- Leading hybrid rig technology with battery energy storage system
- Approximately, 32% of our marketed fleet is equipped with emission reducing solutions

Our Global Reach

Technically advanced, emission-friendly, global onshore drilling contractor

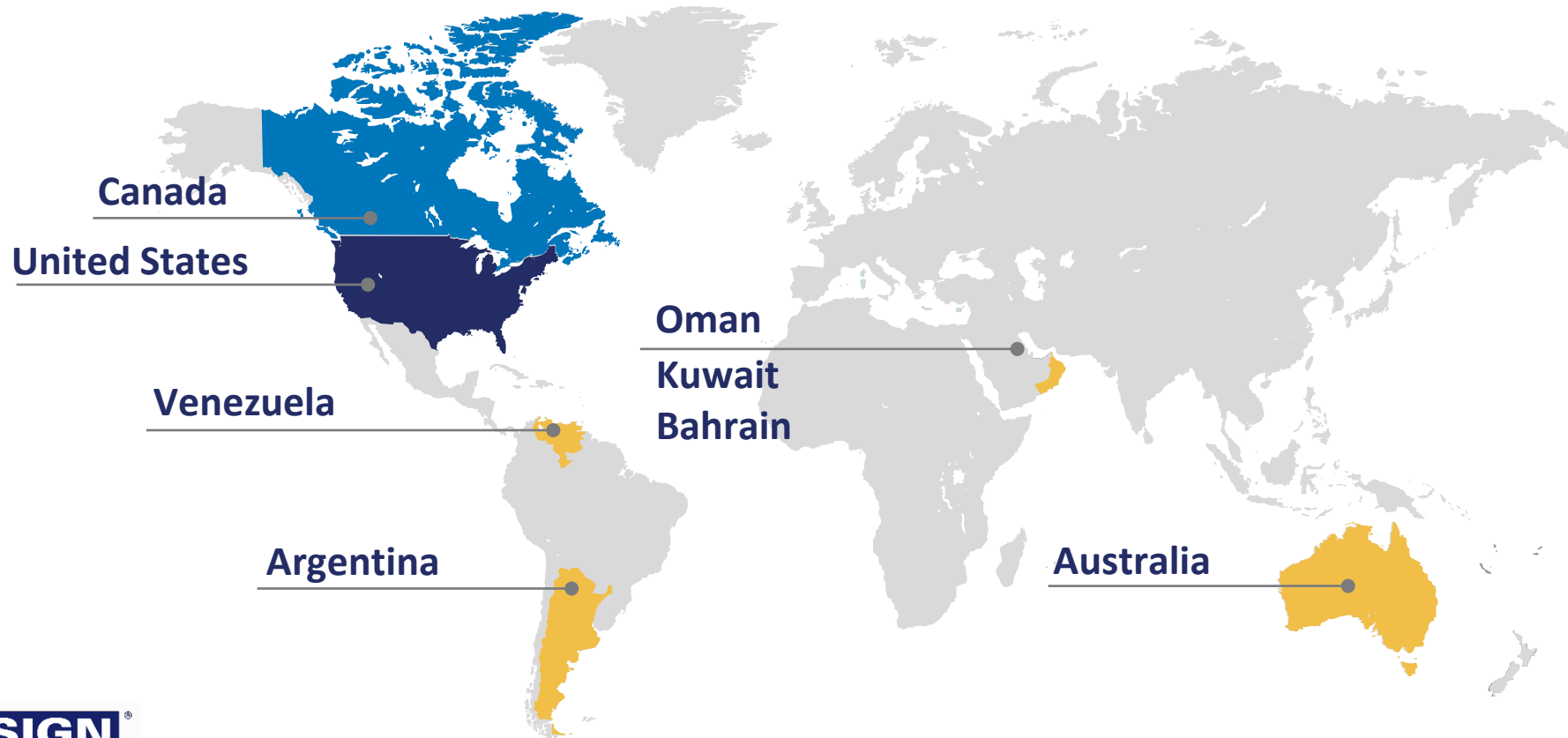
8
COUNTRIES

4,000+
PEOPLE

\$3.2 Bn
ASSETS¹

232
DRILLING RIGS

94
SERVICE RIGS



¹As of December 31, 2022

Strategically Positioned in US Basins

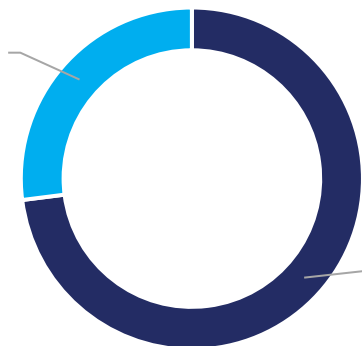
With the rights rigs for the right basins

UNITED STATES MARKET

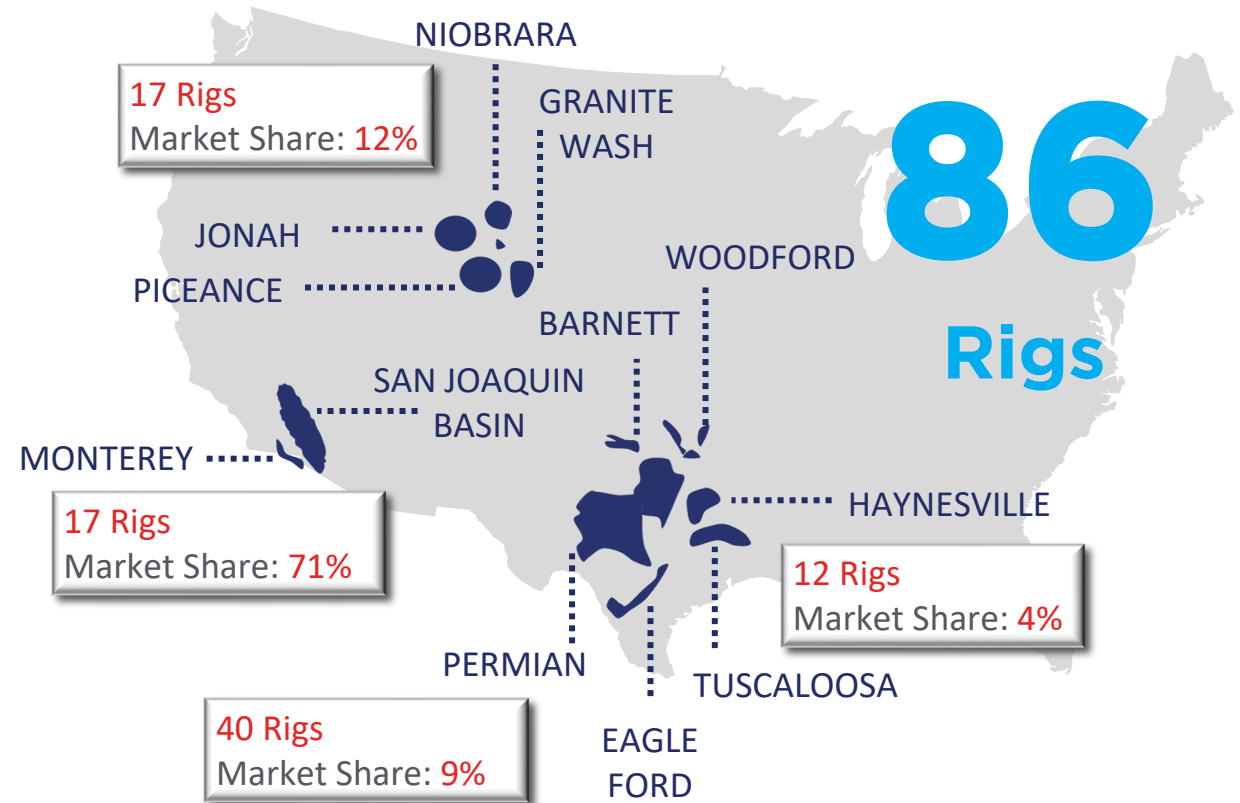
- 86 marketed rigs, built for purpose and basin specific
- Over 70% of the US fleet is high-spec rigs, with majority located in the Permian
- The remaining <1000 HP suited to shallower plays in California
- Growing Edge Autopilot revenue streams with approximately 71% of active rigs running the Edge Autopilot or a legacy Edge platform
- Growing performance-based contracts, driving 25-30% margin upside
- Consistent Well Servicing performance and utilization

FLEET COMPOSITION

1000 HP or less
27%



High Spec AC
1500 HP
73%



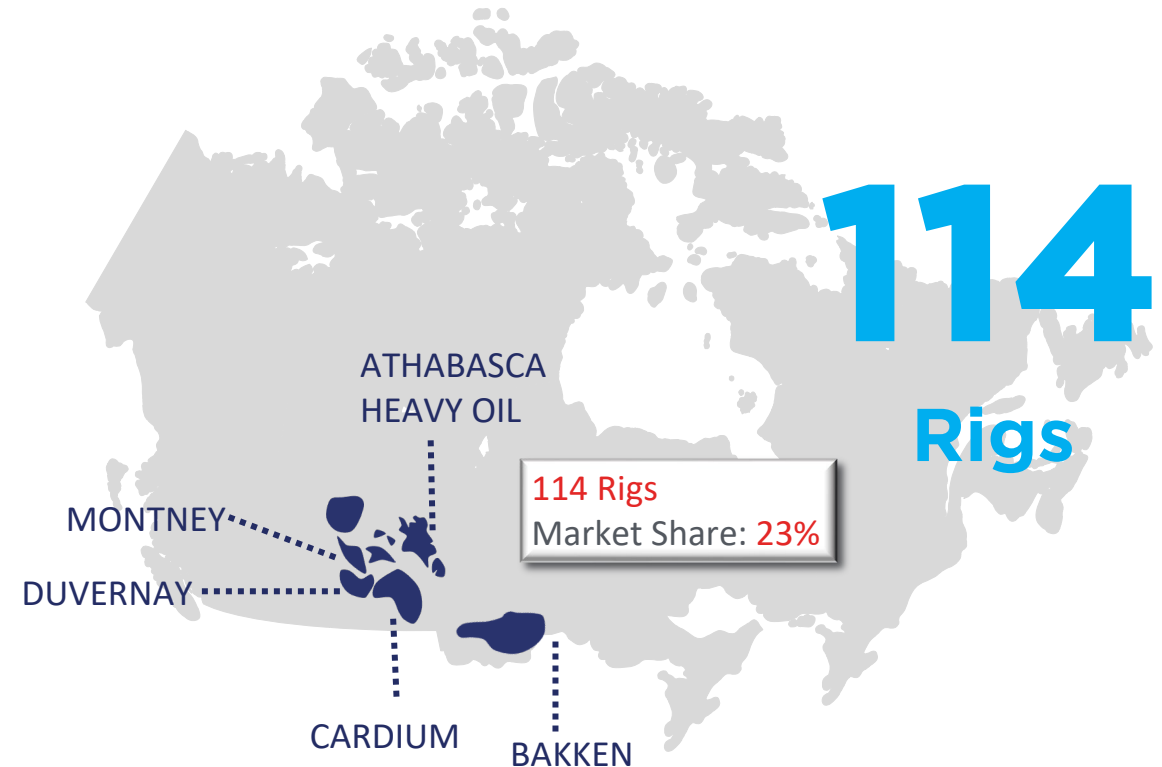
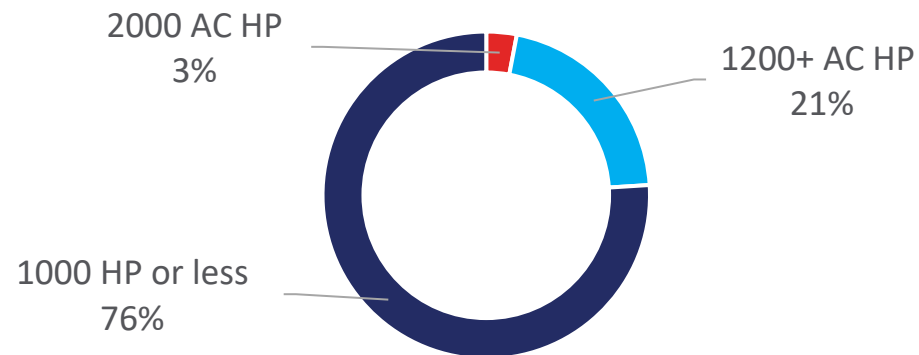
Focused on Execution in Canada

Well positioned in the active regions

CANADIAN MARKET

- Diverse fleet spec to suit diverse basins across the western Canadian provinces
- Majority of rigs working in most active and economic Canadian plays (Montney, Duvernay, Cardium, Bakken, Clearwater) and with major operators
- Consistent drilling and well servicing utilization and market share
- Growing Edge technology revenue streams with approximately 20% of active rigs running the Edge Autopilot or legacy Edge platforms

FLEET COMPOSITION



Strong International Exposure

High-Spec assets on longer term contracts

AUSTRALIA

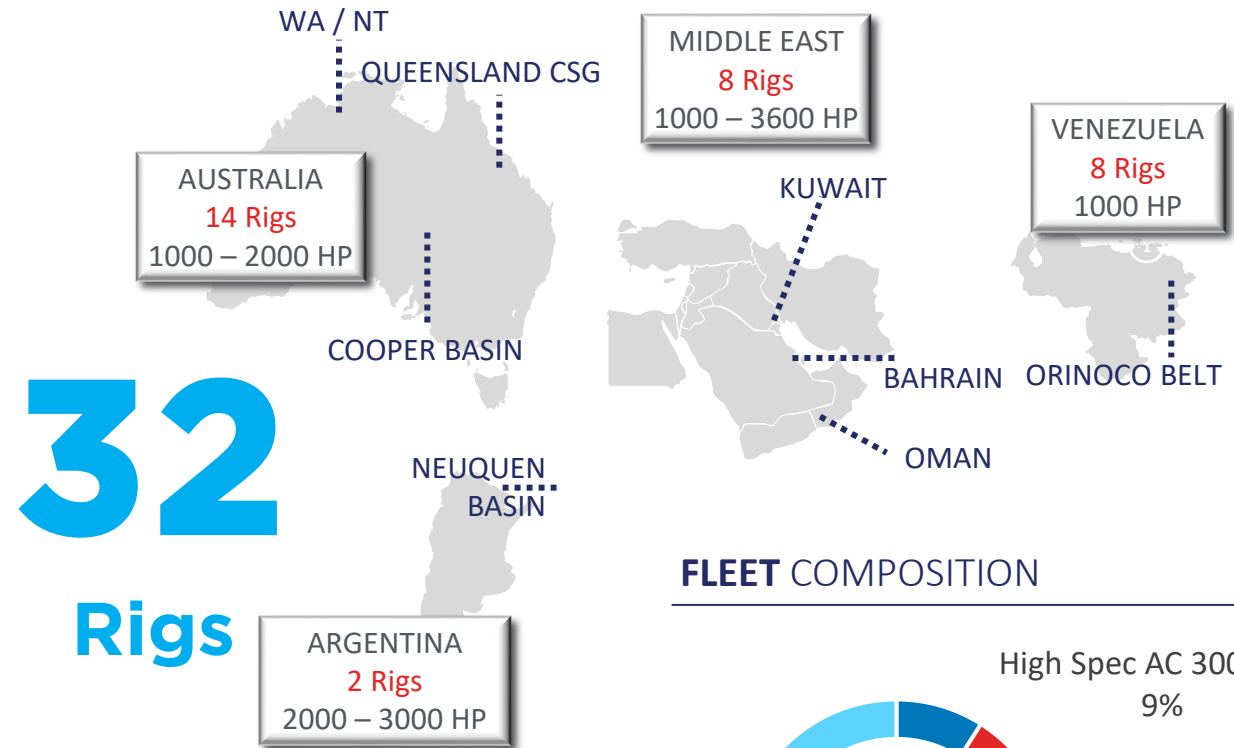
- Largest drilling contractor with leading market share in 3 distinct regions dominated by LNG and utility projects
- Market leadership position provides consistent utilization and market share
- Newest fleet in the country

MIDDLE EAST

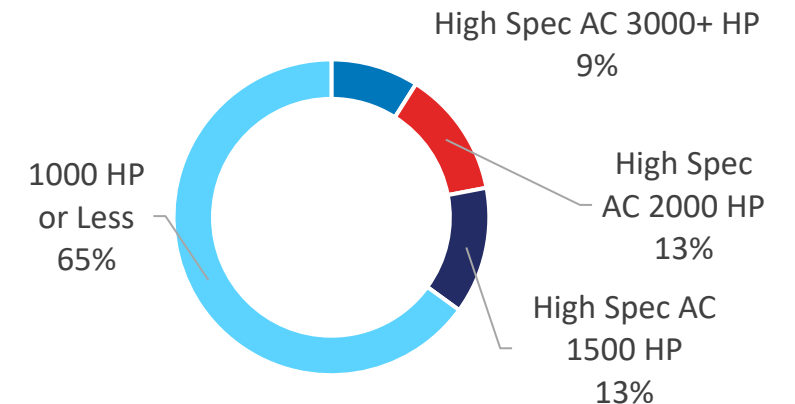
- Most technically advanced drilling company in region, with long-term contracts in Bahrain and Kuwait
- 88% utilization of Middle East fleet, with the recent reactivation of three rigs in Oman on long-term contracts
- 30% of active rigs running the Edge Automation platform

LATIN AMERICA (ARGENTINA & VENEZUELA)

- Shale exploration in the Neuquén area of Argentina providing growth opportunities
- Local teams provide knowledge to navigate the regional operating challenges
- 100% of active rigs running the Edge Automation platform



FLEET COMPOSITION

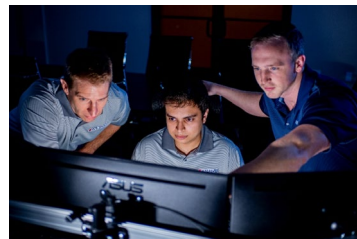


Ensign's Drilling Solutions

Powered by the Ensign Edge Automation Platform

The Ensign **EDGE**

- Established and developed in-house, with no incremental or continual licensing fees
- Proven and repeatable performance, with 44% of active rigs running Edge
- Easily scalable and can be installed on any AC rig
- Easily customized to suit basin specifics and individual customer needs
- Generating revenue growth with a traditional day rate or performance-based contract solutions



AutoPilot™

Autopilot coordinates the full suite of process automation to unlock the full potential of our rig intelligence, algorithms and machine learning

APPs

Process automation applications optimize drilling parameters, driving efficient and repeatable execution

ANALYTICS + PORTAL

Analytics drive data-based decision making for continual improvement

APM (ADVANCED PERFORMANCE MANAGEMENT)

The Advance Performance Management team with our Performance Drillers drive our Performance Based Contract solutions

The PBI (Performance Based Incentive Contract)

Sharing in Value Creation

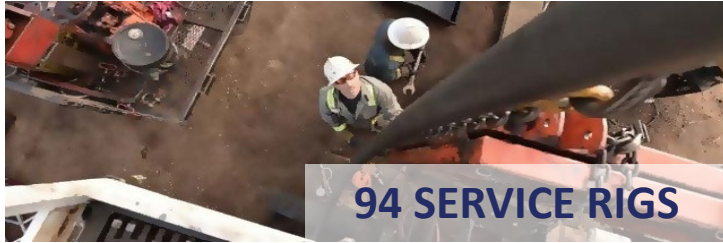
- ▶ **Performance Based Incentive** – base day-rate with 30% margin upside on basin-specific KPI target performance, including overall well cost savings
- ▶ Encourages collaborative approach with client base leading to longer term contracts and relationships
- ▶ Ensign determines what **EDGE** technology to appropriately deploy
- ▶ With **EDGE**, wells are being delivered more efficiently and consistently with reliable and repeatable results
 - ✓ Increased feet per day
 - ✓ Increased rate of penetration
 - Improved connection times
 - ✓ Reduced unplanned hole tripping
 - ✓ Reduced well tortuosity
 - ✓ Reduced flat time



Ensign's EDGE & APM Operations Centre
Remotely monitoring our global Edge operations in real-time

Incremental Revenue Streams

Integrated business models



OUR CORE BUSINESS is drilling onshore wells around the world, accounting for approximately 90% of our total revenue

COMPLIMENTARY BUSINESSES

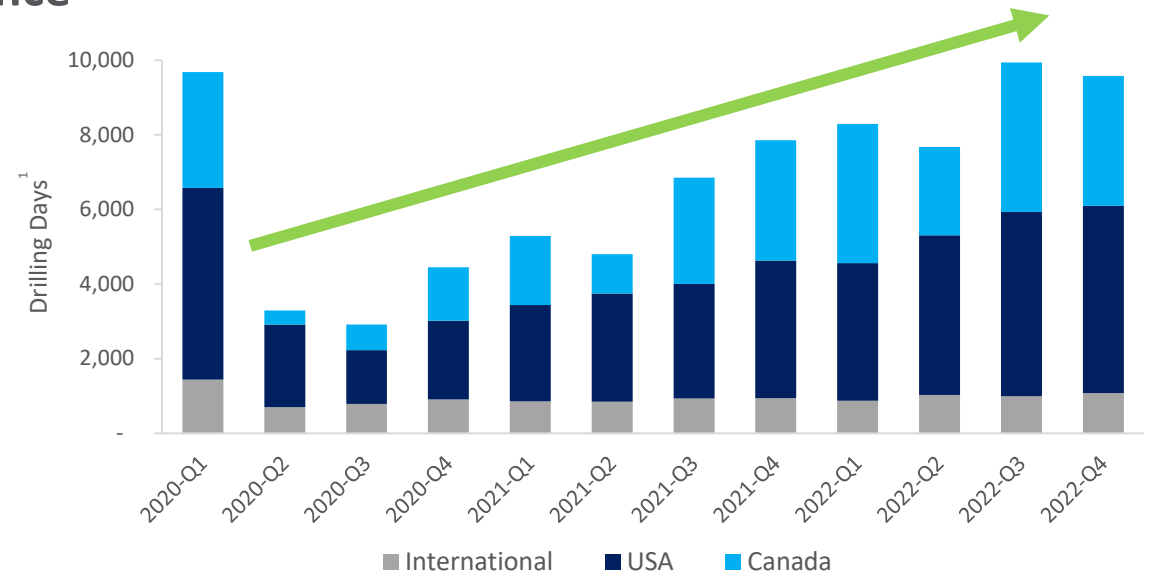
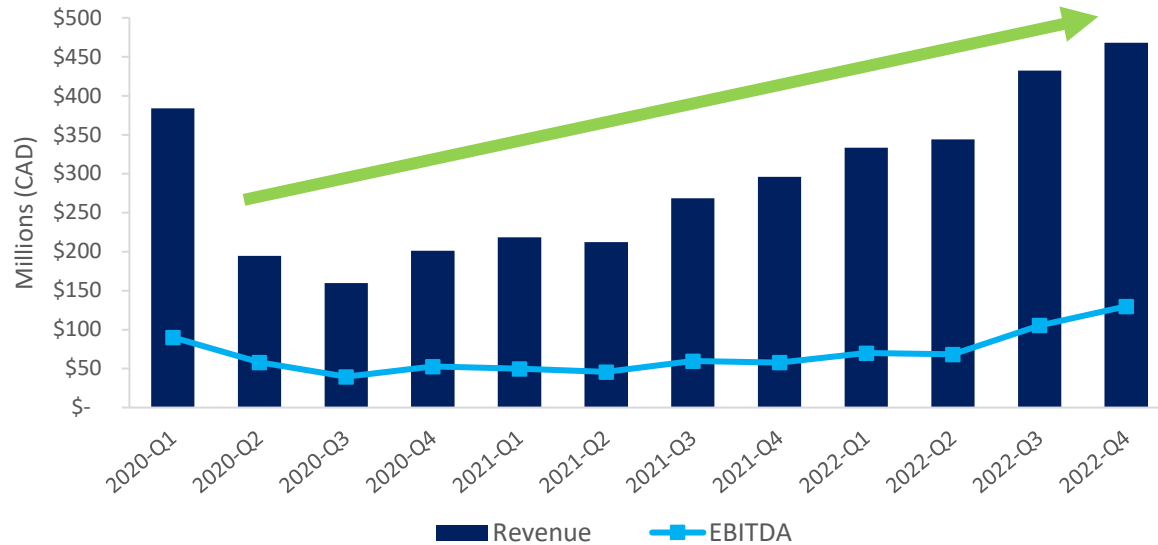
- Completion services
- Production services
- Rentals

VALUE ADDED

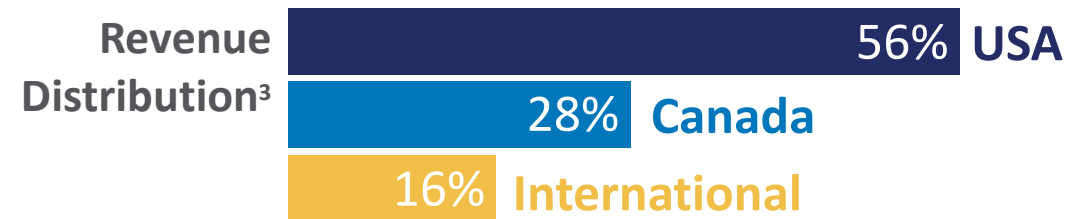
- Augments EBITDA
- Offsets cyclical nature of drilling services
- Vertical integration creates opportunities for strategic partnerships
- Unique organic growth opportunities
 - Directional Drilling
 - Edge Analytics
 - Edge Directional Guidance System

Continuing Momentum

Revenue & Activity Surpassing Pre-Pandemic Performance



- Building term into North American contracts
 - As leading-edge pricing stabilizes, we continue to build term into North American contracts
 - Across global operations = approximately \$1.6 bn in contracted revenue with 37% of our active rig fleet under long term contracts (≥6 months)²
 - Weighted average contract tenure = 1 year²



¹Drilling days are defined as spud to rig release

²Contracted revenue is calculated based on contracts currently signed as of March 3, 2022, with contract terms ranging from 6 months to 3 years. The amount is not guaranteed revenue and can be subject to change as some contracts may be terminated without penalty

³As of December 31, 2022

Strategic Capital Management

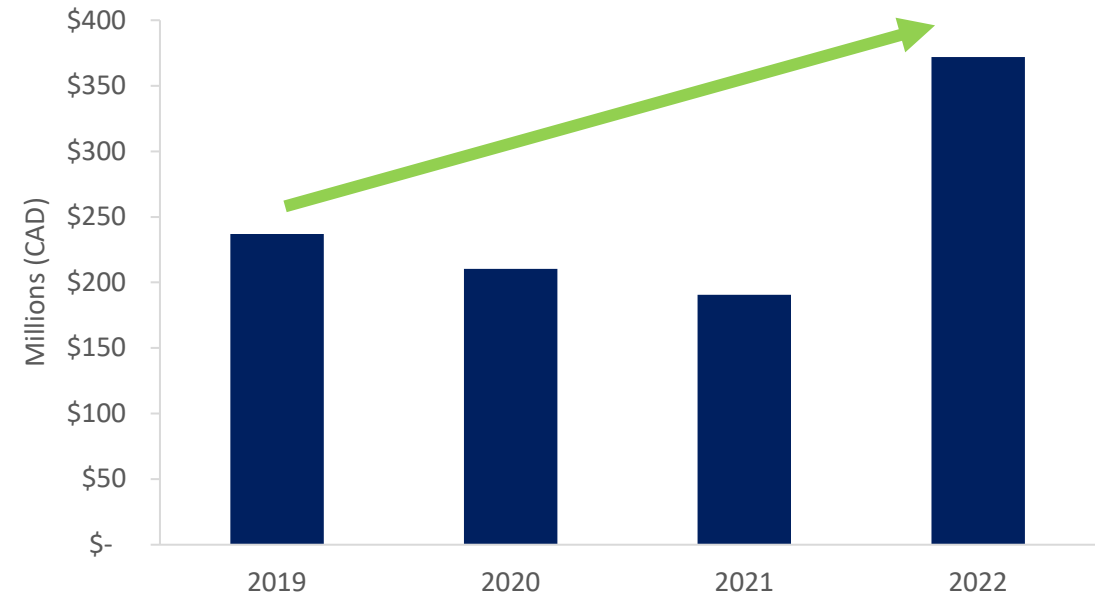
Opportunistic capital allocation in an improving environment

Reducing Net Debt

Strategic, counter-cyclical acquisitions heading into a constructive market



Improving Funds Flow from Operations



Capital Expenditures

- Investing the long economic life of our drilling assets (~30 years) versus average accounting life (~15 years)
- Maintenance capital is driven by number of rigs active and extends the economic life of the asset
 - Planned Capex for 2023 is expected to be approximately \$157 mm
- Re-activation, upgrade, and growth capex is driven by customer demand and partially, if not fully, funded by the customer

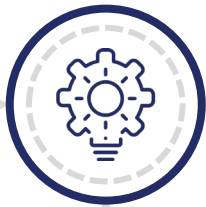
Enhancing Environmental Performance

Integrated technologies for one holistic solution drive operational and environmental performance



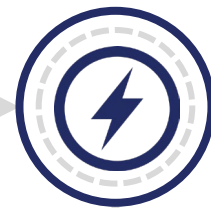
Edge Eco Monitoring & Reporting

Real time monitoring of fuel consumption, power demand, generator load and emissions data. Powerful reporting to understand baseline operating parameters to drive improvement.



Edge Eco Proactive Power Management

In real time, actively manage key operating specs to reduce emissions, optimize power, and reduce resource waste.



Eco Power & Energy Storage Systems

Deploy alternative fuels, highline/grid capability, renewable/hybrid energy, and transition technologies including Battery Energy Storage Systems (BESS) and hydrogen fuel cell technology.



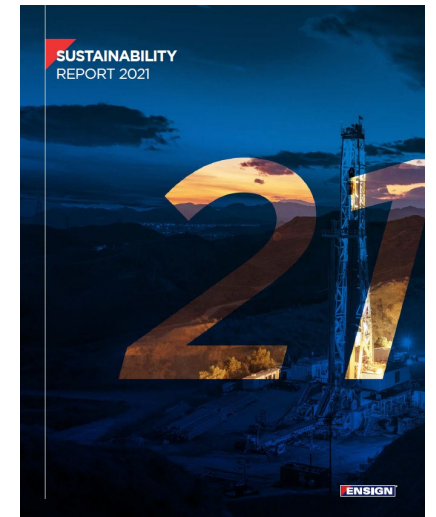
Zero Emissions

Explore net zero power systems with the goal of reducing and eliminating Scope 1 emissions

Commitment to Sustainability



- Enhanced Sustainability Reporting, with alignment to industry accepted reporting standards (SASB, TCFD)
- Industry leader in hybrid technology (Battery Energy Storage System (BESS) and natural gas generators) and natural gas-powered rigs, adding 4 hybrid rigs since 2020
- 32% of our total marketed fleet is equipped with emission reducing solutions, with the majority of fleet capable of emission reducing upgrades, an increase from 23% in 2020
- Technological advances such as our Edge automation, Edge Eco products, and pad walking systems contribute to efficient operations minimizing surface impact, trucking roads, and overall wellsite emissions
- Noise, odour and light mitigation protocols enable us to minimize any disturbance to any communities and wildlife in the areas we operate
- Achieved second-best TRIR in Ensign's history with an 11% increase in exposure hours year-over-year
- 75% reduction from 2020 to 2021 in environmental incident rate
- Approximately, 20% women in director level positions or higher
- In 2021, launched annual giving initiative: Project Piston
- 20% of board members are women (an increase from 11% in 2020)
- 80% independent board members (an increase from 78% in 2020)
- Metrics tied to executive compensation include safety, financial and strategic targets, shareholder return and return on capital employed, with 95% of shareholders voting in favour of Ensign's compensation approach
- Share ownership requirements and strong insider ownership, aligning management and leadership with shareholders



Additional information on our sustainability policies, practices, and disclosures can be found in our 2021 Sustainability Report, available at esg.ensignenergy.com

Enduring Value Proposition

Creating upside for customers and investors

TECHNOLOGY LEADERSHIP

Enhancing profitability through innovation and advanced technologies

BALANCED PORTFOLIO

Positioned to deliver in any environment in key basins worldwide

CAPITAL DISCIPLINE

Disciplined investment to ensure financial flexibility, asset strength and return to shareholders



FLEET

Advanced, young, & high quality rigs



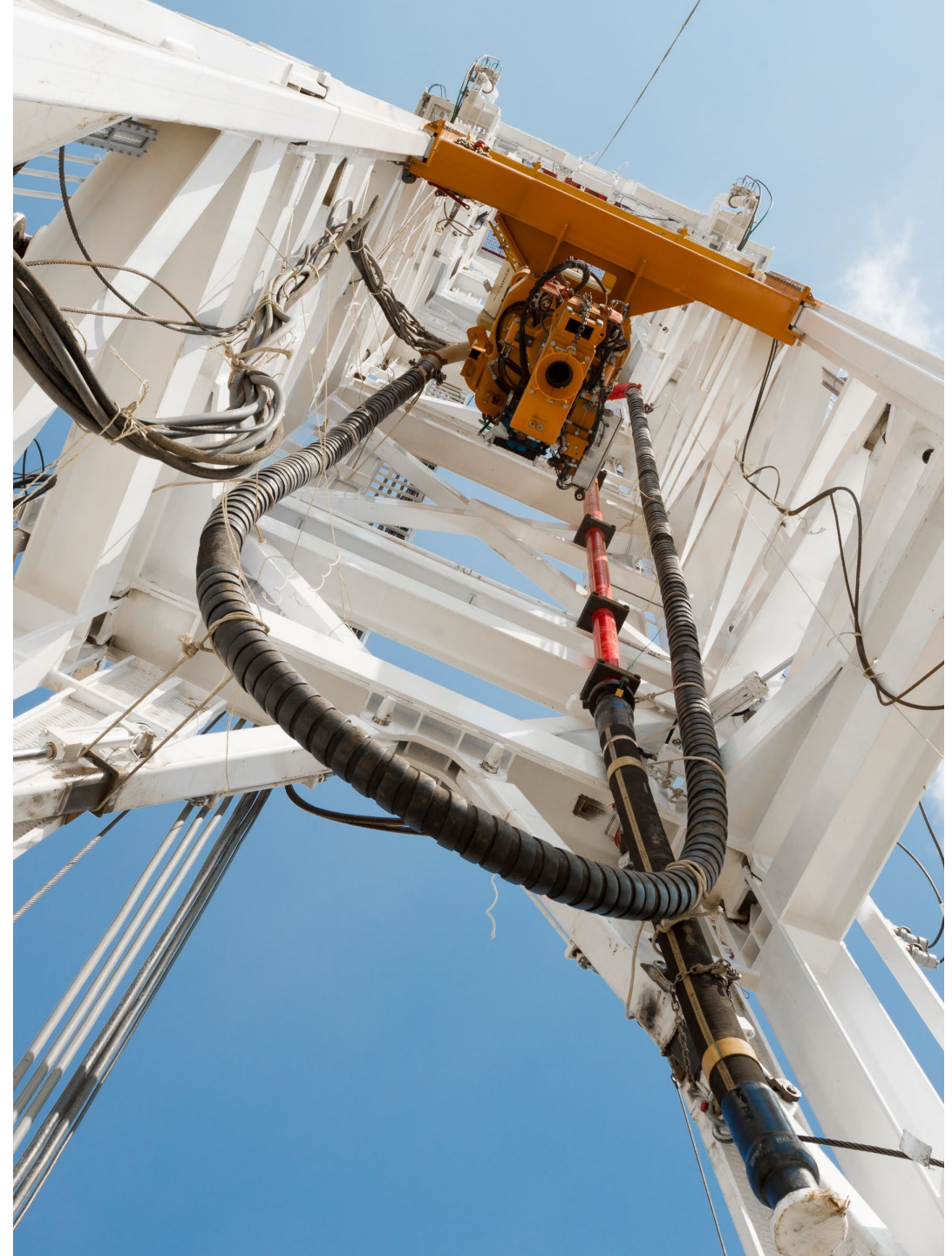
TEAM

Professional crews that deliver every time



POSITIONING

In the right markets at the right time





ENSIGN ENERGY SERVICES INC.

400 – 5 Ave SW, Calgary, AB, T2P 0L6

403.262.1361

www.ensignenergy.com | ESI.TO

ir@ensignenergy.com

