



**Enhancing performance and assuring integrity for operating facilities across the globe**

# Why Add Energy?

An international solutions provider enabling businesses operating in the energy sector to be safe, compliant and profitable

## Maximize production with less investment

Increase production and avoid downtime with reduced investment to save cost and time

## Unlock efficiencies to boost company profits

The efficiency of production wells and production operations are key to profitability; identify and implement efficiency gaining tactics recommended by experts

## Protect your people, business and environment

Implement risk mitigation tactics to preserve integrity and protect your people, the environment, your business and reputation

**The value we  
add to the  
energy sector**

## Achieve performance excellence

Exceed increasingly high quality and operational execution assurance requirements in the most effective and efficient way possible

## Gain full visibility of your true risk profile

Make informed decisions driven by the increasing need to assess and address risk and profitability simultaneously

## Minimize operational expenditure

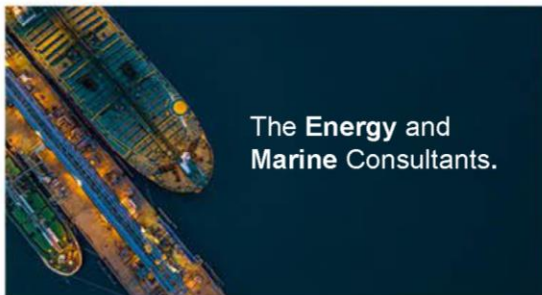
Supplement operations with specialist expertise only when you need it to remain competitive and effective

## Assure compliance with regulations and legislation

As legislation and regulation requirements become more stringent, rely on experts to assure compliance

# Add Energy's parent company ABL Group

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# ABL2030 – Sustainability

“At **ABL Group** we recognise that for our business to be successful in the age of climate crisis and energy transition, we must redefine what we do in a genuine way to put sustainability at the centre of all strategy and operations.

We published our first Sustainability Report in our 2019 Annual Report, this was really a statement and vision. A statement of intent with 5 key principals to guide and drive our journey. An outcome of this has been our commitment to **achieve 50% renewables or energy transition driven revenues by 2025** and **creating the foundation for our Environmental, Social and Governance (“ESG”) reporting.**

This year’s Sustainability Report\* will describe our actions to continually improve the integration of the **United Nation Global Compact** and its principles into our business strategy, culture and daily operations. By including this in our Annual Report to shareholders, we also show our commitment to share this information with our stakeholders using our primary channels of communication.

We launched a comprehensive process to establish best practice ESG reporting and to instil sustainability into the culture and forward strategy of the group last year calling it AqualisBraemar2030, I am delighted that I can rename this as **ABL2030.**” \*



  
Richard Segar, CEO



## Our Employee Focus *How we do business*



## Our Business Focus *Where we do business*



\* ABL Group 2020 Sustainability Report

# The ABL Group Family

Through targeted acquisition and organic growth, the **ABL Group** have built a comprehensive family of branded energy and marine consultancy companies offering services that are both complementary and interconnected. This allows our business lines, branded service companies, and expertise to focus closely on delivering technical excellence in engineering and consultancy, loss prevention and loss management.



## ABL Group

ABL Group is a leading global independent energy and marine consultancy working in energy and oceans to de-risk and drive the energy transition across renewables, maritime and oil and gas sectors.



An ABL Group Company

## OWC

Project development services, owner's engineering and technical due diligence to the offshore renewables industry.



An ABL Group Company

## East Point Geo

Expert Geoconsulting organization supporting all sectors; providing efficient client-focused deliverables including data assurance, ground models and quantitative risk assessment.



Part of Longitude

## OSD-IMT

Established in 1989, a specialist ship design house focused on offshore support vessels and clean shipping technology.



An ABL Group Company

## Add Energy

Asset integrity management and operations consultants.



An ABL Group Company

## Longitude Engineering

Independent engineering, design and analysis services for the marine, renewables, oil and gas, defence and offshore infrastructure industries.



An ABL Group Company

## INNOSEA

Engineering advisory, verification, research and development, concept development and consultancy for marine renewable energy.



An ABL Group Company

## ABL Yachts

Superyacht surveyors and consultants.



An ABL Group Company

# A snapshot of our solutions

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## **Asset and Integrity Management**

Enhancing plant and business performance in the safest and most efficient way possible



## **Well Engineering and Management**

Assure safety, regulatory compliance and efficiency in your drilling, production and decommissioning projects



## **Safety and Risk Engineering**

Technical assurance of safety and mitigation of risks



## **Training and Advisory**

Access solutions to enhance performance, reduce cost and assure integrity



## **Decarbonization and Energy Transition**

Accelerating your transition to net-zero



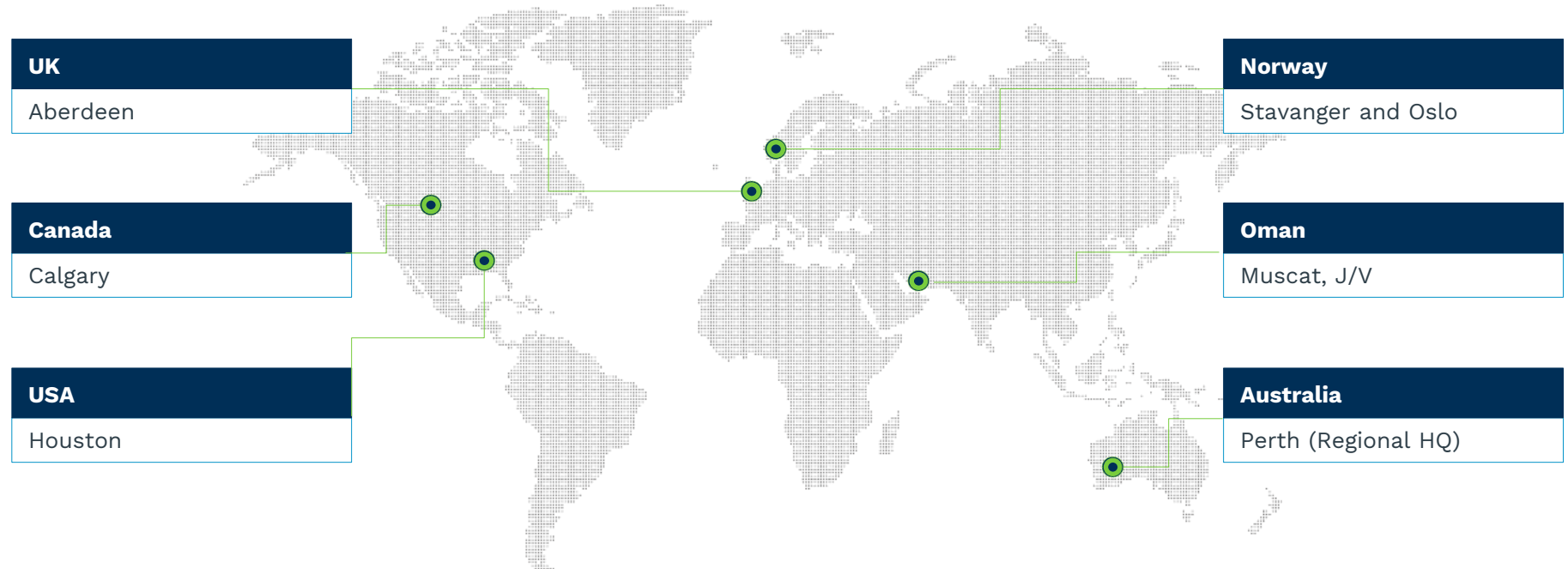
## **Software**

Unlock performance improvements opportunities, optimize costs and assure integrity of your facility



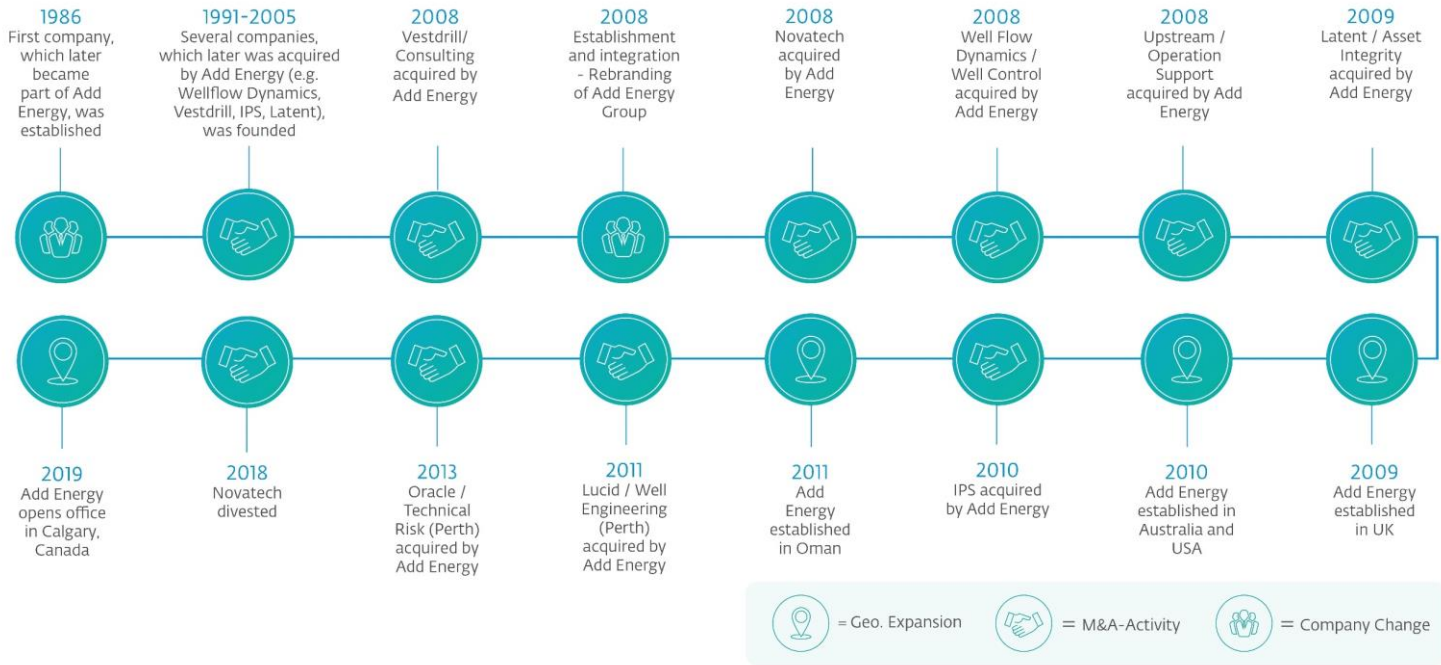
# Our global hubs

Enabling us to deliver solutions to clients on a global scale



# The formation of Add Energy Group

Created on a foundation of individual energy service companies that each possess specialist knowledge within their niche





# Why consider Add Energy?

**Leaders in delivering solutions that assure integrity, enhance performance and optimize OPEX**

- A trusted international service provider, reinforced through global MSA's with energy majors, including being the contract holder for the world's largest asset management improvement project
- Proud winners of the Queen's Award for International Trade, further cementing our expert position in the market as an international solution provider of choice for asset management services
- We have a suite of propriety software, technical databases and processes to automate and unlock efficiencies in delivering plant performance optimization projects
- We have delivered over 500 successful asset performance optimization projects globally, across numerous industries, both greenfield and brownfield
- We have a team of over 100 asset management consultants, engineers, technical specialists and CMMS/EAM experts, with over 800 years of experience delivering solutions to clients combined

Saved  
**\$20,000,000**

on annual planned maintenance expenditure through optimization of frequencies, man hours and job plans

Identified over  
**\$1,700,000**

of annual maintenance savings during a 2 week study

Enhanced production uptime by

**11%**

through maintenance optimization improvements recommended by Add Energy

# Our key clients

Delivering solutions across multiple sectors, environments and regions



Oil and gas



Chemicals



Energy transition



Power generation & renewables



Manufacturing



Service companies



Marine



Healthcare



# Our capabilities

# How we can add value

## Our solutions and services

### Asset and Integrity Management

- Asset Management
- Maintenance Optimization
- Business Performance Insights
- Master Data Build and Optimization
- Inventory Management
- Operation and Maintenance Support
- Safety Integrity and Risk Management

### Well Engineering and Management

- Well Engineering
- Well Management
- Production Optimization
- Well Integrity
- Well Examination
- Well Kill Support
- Well Control
- Blowout Contingency
- Reservoir and Flow Simulations

### Safety and Risk Engineering

- Safety and Risk Management
- Technical Risk Evaluations and Safety Cases
- Assistance with Regulatory Approvals and Compliance Processes
- HSEQ Training

### Decarbonization and Energy Transition

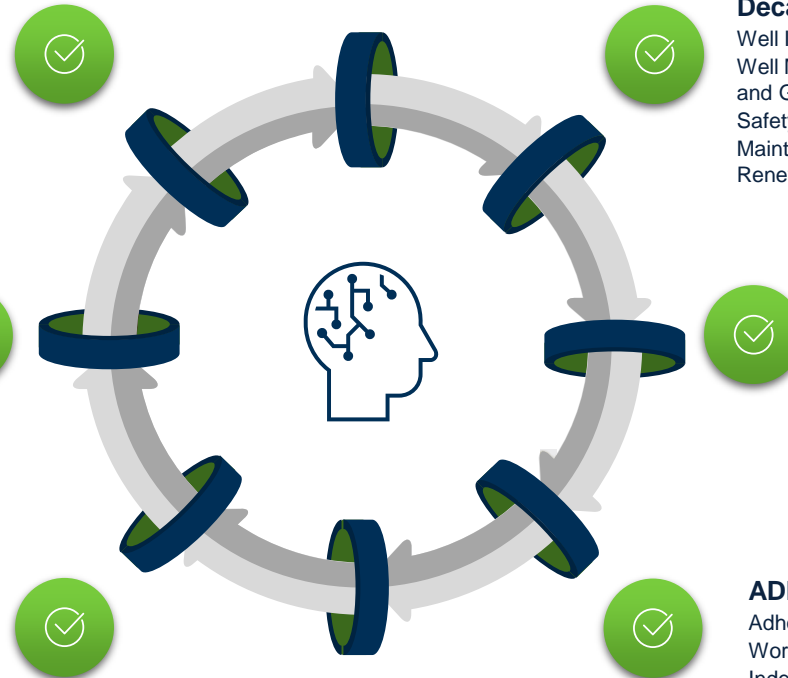
- Well Integrity for CCS and Geothermal wells
- Well Management and Well Engineering of CO2 storage and Geothermal wells
- Safety audits and HSE planning and reviews
- Maintenance, Integrity and Inventory Management for Renewable Energy Plants

### The Add Energy Academy

- Operations and Maintenance Training
- Drilling and Well Engineering Training
- Safety and Risk Management Training
- Leadership Training
- eLearning

### ADDvisor

- Adhoc Technical Consultancy Support
- Workshop Facilitation
- Independent Technical Review
- Technical Response
- Independent Technical Studies



# Asset and Integrity Management

We combine our award-winning technology and subject matter expert consultants, engineers and data scientists to deliver strategic asset management and performance optimization solutions to:

## Protect your people, plant, and the environment

Safeguard critical assets through implementation of risk mitigation barriers, enhanced competency of your people and compliance with regulations

## Boost company performance and profits

Deploy fully optimized maintenance, integrity, and materials management tactics to cut costs without compromising safety and integrity

## Minimize plant and equipment downtime

Assure reliability and availability of your assets by executing maintenance at the right time, with the right materials, no more – no less, derived from independent experts

## Comply with international standards

Gain access to world-class maintenance, materials and integrity standards, strategies and technology developed by one of the largest pools of asset management subject matter experts in the industry

## Services offered by Add Energy

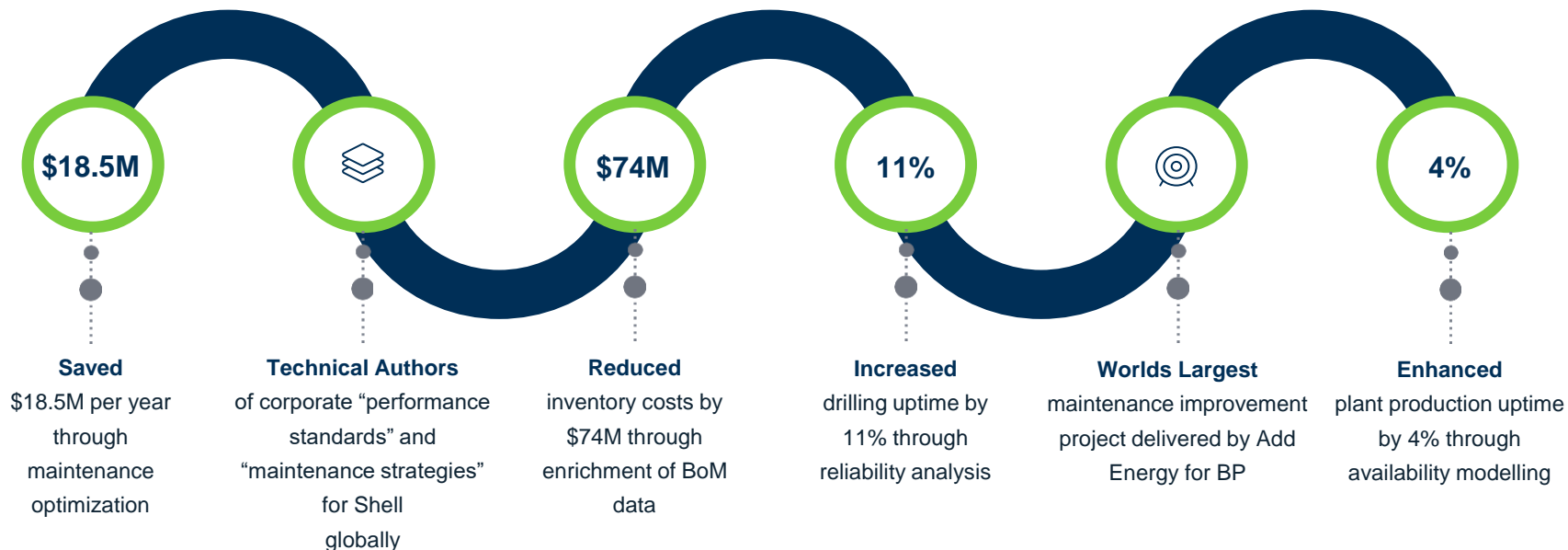
- Asset Management
- Maintenance Optimization
- Business Performance Insights
- Master Data Build and Optimization
- Inventory Management
- Operational Support
- Safety Integrity and Risk Management
- Operations and Maintenance Training

## Software solutions

- RFID Asset Tracking and Management of Change
- Digital Inventory Management Optimization
- Maintenance Data Build and Optimization
- Audit, Verification and Data Collection

# Our experience

Our asset and integrity management experience spans across multiple sectors, including but not limited to oil and gas, power generation, renewable energy, drilling, mining and FPSO facilities. Some of our highlights include:





# Well Engineering and Management

**We offer onsite and remote world-class consultancy services and engineering support to enable both onshore and offshore drilling, production and decommissioning projects designed to:**

## **Assure compliance with standards and regulations**

Utilize independent subject matter experts to determine how to assure compliance with international standards and local regulations to mitigate risk, preserve integrity, optimize production, and avoid penalties

## **Reduce your carbon footprint**

Kickstart, facilitate or accelerate your decarbonization journey by relying on subject matter experts to assess, evaluate, and support the implementation of your carbon reduction initiatives through proven processes and independent verification.

## **Protect your people, assets, and the environment**

Safeguard critical assets through the implementation of well integrity risk mitigation barriers, effective contingency planning, and enhanced competency of your people

## **Minimize well costs**

Identify cost saving opportunities derived from decades of experience, design improvements and utilization of proven technology

## **Optimize production**

Maximize your economic return by identifying and implementing designs and techniques to enhance production through expert assessment and recommendations

## **Prepare and respond effectively to the unthinkable**

Minimize business, safety, and environmental impact by implementing proven measures to prepare your organization for an incident, and regain control of an uncontrolled hydrocarbon release effectively



## **Services offered by Add Energy**

- Well Engineering
- Production Optimization
- Well Integrity
- Well Control
- Well Kill Support
- Blowout Contingency Planning
- Reservoir and Flow Simulations
- Independent Verification
- Well Examination
- Well Management

# Our experience

Our well engineering and management experience spans across decades and have been applied globally for onshore, offshore, HPHT, ultra-deep-water, highly regulated and remote locations and environments. Some of our highlights include:

## Saved

\$12M on one well through design optimization enabled by our RWIS hardware solutions

\$12M

## Increased

oil production by over 50% through well modifications recommended by Add Energy

50% +

## Delivered

Well Kill support for more than 80 hydrocarbon release incidents worldwide

80+

## Reduced

the number of wells required to meet a production target by 42% through design recommendations provided by Add Energy

42%

# Safety and Risk Engineering

**Our safety and risk management experts offer onsite and remote strategic advice, systems and training designed to minimize exposure to risk and management of safety for operating assets within the energy and maritime industries.**

## **Implement effective barriers of protection**

Gain full clarity of your risk profile and implement barriers of protection aligned to your operating environment

## **Comply with legislation and regulations**

Understand what you need to do to comply with legislation and regulations to mitigate risk and avoid penalties



## **Boost performance and reliability**

Assure your critical assets perform when you need them through quality data, decisions and safety barriers implemented and managed by competent systems and people

## **Create and manage a safety culture and competence**

Minimize your exposure to risk and maximize effectiveness through fit for purpose training and competency assurance programs

## **Services offered by Add Energy**

- Development of HSEQ Management Systems
- Assistance with Regulatory Approvals Process
- Risk Assessments – HAZID, HAZOP, SIMOP, ALARP workshops
- Technical Risk Evaluation
- Safety Case Development and Assessment
- Crisis and Emergency Management
- HSEQ System Audits
- Strategic Security Management
- Fire and Explosion Analysis
- Performance Standard Development
- Development of HSE documentation
- Facility Surveys and Audits
- HSEQ Training

# Our experience

Showcasing safety and risk management expertise through proven results and track record



## Technical Authors

Our specialists have written over 100 safety cases for blue chip clients on a global scale

100 + safety cases



## International

Experience with international risk management regulations and standards through the delivery of over 500 projects

500 projects



## Certified

ISO 9001 certified, assuring quality management solutions for our clients

ISO 9001



## 99% retention rate

Our team of highly specialized consultants and engineers position us as the go-to supplier for safety and risk management solutions

99%

# Decarbonization and Energy Transition

**Assure your renewable energy projects are effective or accelerate your transition to net-zero by relying on subject matter experts to assess, evaluate, and support the implementation of your carbon reduction initiatives through proven processes and independent verification.**

## Viable Options

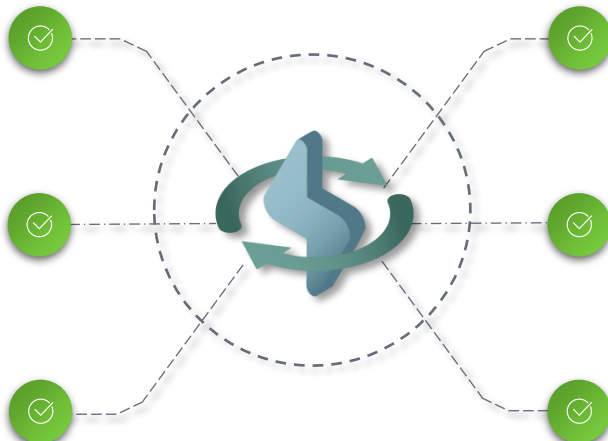
A conclusive business case detailing feasible decarbonization strategies for your business

## Investment Strategy

Gain a clear understanding of the investment requirements for carbon reduction and how they can be optimized

## Project Sanction

Identify viable options to reduce carbon emissions to get new projects sanctioned and optimize investment



## Compliance Assurance

Assure compliance with international standards relating to integrity, decarbonization and asset management

## Cost and Time Efficiencies

Rely on experts to deliver a cost and time effective solution for kick starting or accelerating your decarbonization journey, without impacting day to day operations

## Safety Integrity

Develop and implement decarbonization tactics that assure safety integrity through use of proven processes

## Services offered by Add Energy

- Technical and Commercial “green energy” Feasibility Studies (cost benefit analysis)
- Review of Existing Infrastructure to Determine Options to Reduce Carbon Footprint
- Well Integrity for CCS and Geothermal wells
- Well Management and Well Engineering of CO2 storage and Geothermal wells
- Safety audits and HSE planning and reviews
- Maintenance, Integrity and Inventory Management for Renewable Energy Plants

# Our experience

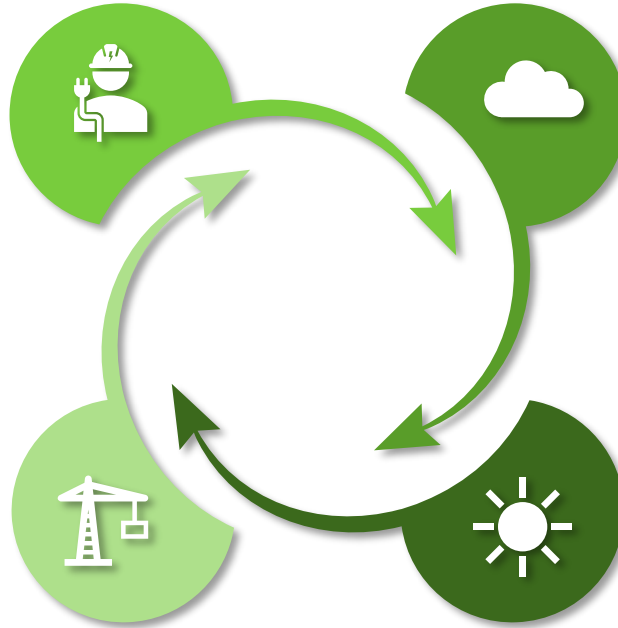
Showcasing our decarbonization expertise through proven results and track record

## Geothermal

Experience in delivering well planning end execution concepts for geothermal wells

## Biomass and waste to energy

Extensive experience of delivering asset management, maintenance, integrity and materials management regimes for multiple renewable energy power plants



## CCS

Currently delivering concept and well specific evaluations for CO2 storage

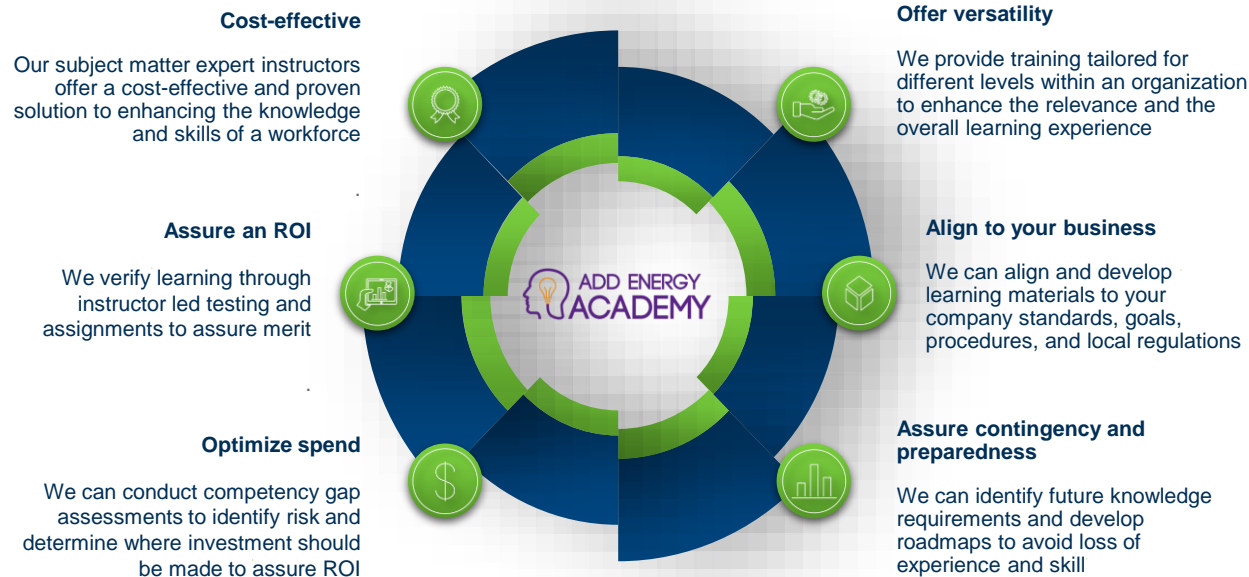
## Solar and Microgrid

Experience of developing asset management strategies and systems for microgrids generated by solar power



# The Add Energy Academy

We offer learning and development programs, tailored to different levels in an organization, from leadership to front line workers, delivered online and in-person, guaranteed to:



## Course topics offered by the Add Energy Academy

- Operations and Maintenance Training
- Drilling and Well Engineering Training
- Safety and Risk Management Training
- Leadership Training
- E-learning

# ADDVisors

**We offer face-to-face and remote adhoc technical guidance, studies, assurance, verification and advice ranging from a 1 hour video conference to workshop facilitation and project consulting to gain support for an immediate issue or a business improvement initiative. Our ADDVisor solution will enable:**

## **Access to expert advisory across multiple functions**

Access a pool of consultants, subject matter experts, technical authorities and seasoned engineers across different facets of a business, including asset management, process safety, risk management, drilling, well engineering, well management and energy transition.

## **A cost effective solution to manpower and expert needs**

Choose when you need support, how long for, what type of support you need and what you need us to do to meet your project and business objectives in the most efficient and cost effective way possible.



## **Independent expertise and verification**

Utilizing expert knowledge and invaluable insights gained from decades of experience, our ADDVisors can offer guidance, validation and verification on existing initiatives or consultancy advice to identify and implement optimization opportunities.

## **Guaranteed results**

Being able to utilize a flexible ad-hoc service as opposed to recruiting additional resources. We enable our clients to have full control over the duration and support deliverables required, assuring spend is minimized.

## **ADDVisor topics**

- Asset management
- Maintenance and materials
- Integrity management
- Process safety
- Risk management
- Drilling
- Well design
- Well engineering
- Well management
- Well integrity
- Blowout contingency
- Well kill
- Decarbonization
- Energy transition
- Production optimization
- Decommissioning

## **ADDVisor support methods**

- Hourly remote advice
- Workshop facilitation
- Technical reviews
- Technical response
- Technical studies



CTMX	0.45	▲	+0.4%
FTR	-0.23	▼	-2.34%
CSCO	-1.01	▼	-1.89%
CHK	0.02	▲	+0.2%
AAPL	+2.58		
PRT0	-0.01		
AMZN			
TSLA			
AVGO	0.37		
SIRI	-0.65		

# Our award-winning software and hardware solutions

# Our commitment to innovation

Collaborating with experts to revolutionize the way businesses operate



**Add Energy's innovation experts utilizes decades of experience to design technology solutions that help businesses drive performance and minimize risk.**

As a consultancy and engineering business we are uniquely positioned to gain access to insights into challenges plant operators and businesses face, enabling us to research, design and develop software and hardware solutions that are capable of solving real-world industry challenges.

We work in collaboration with industry and academia to assure our solutions are at the forefront of technology and innovation. Our affiliates include:



## **Academia**

The University of Salford who specialize in developing world-class software engineers and cyber security systems



## **Government and industry organizations**

Knowledge Transfer Partnership, Innovate UK and Step Change for Safety



## **Industry**

Oil and gas operators, power generation facilities and subsea hardware manufacturers including Shell, Uniper, Stena Drilling, SBM and Trendsetter Engineering

# The value our software delivers

Our suite of award-winning software has been designed to improve the interface between people and data, harnessing machine learning and Industry 4.0



## **Safety assurance**

Using analytics and insights to help businesses identify and mitigate risk

## **Business efficiencies**

Harnessing technology and data to unlock opportunities to save time and money

## **Production and profitability**

Gaining access to the insights required to optimize performance and mitigate non-productive time

## **Environmental protection**

Channelling data insights to make informed decisions to reduce the environmental impact of operations

## **Contingency and control**

Optimizing response time and minimizing impact during a hydrocarbon release

# Asset management strategy deployment and optimization software



**A highly efficient and controlled turnkey solution for building, deploying, analyzing, enhancing and managing change of asset management data, strategies, and execution tactics.**

Effio™ is a cutting-edge, cloud-based collaborative master data build and optimization software that is capable of saving up to 30% on time and cost efficiencies when compared to traditional methods, without compromising quality or control.

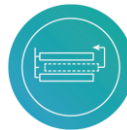
How you can use Effio™ to revolutionize asset performance management



Efficiently digitalize key equipment data



Align your financial and resource investment with your risk profile



Ensure you have the right spares available for maintenance



Continuously improve your asset performance



Build and maintain an accurate asset register



Deploy best-in-class maintenance strategies



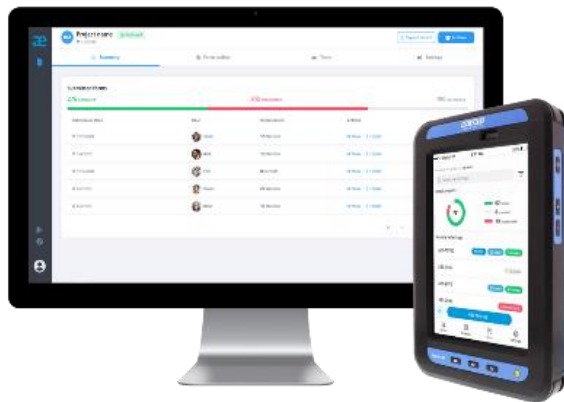
Deploy a fully optimized maintenance schedule



Load data and strategies to your CMMS or EAM with ease



# Audit, verification and data collection software



**Reduce time and improve accuracy when digitalizing information.**

ePAV™ is a digital data collection app that allows companies to conduct any field data collection, verification, or audit exercise with 4 times more accuracy and in half the time.

The benefits of using ePAV™



## **Save time and money**

Reduce the time required to complete a data collection exercise, asset verification or audit to minimize investment and eliminate the need for post walkdown data processing



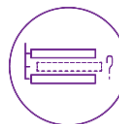
## **Enhance data accuracy and standardization**

Significantly improve the accuracy of the information gathered on site or during an audit and assure it is aligned to your data standards through access to built-in smart autofill technologies and rulesets



## **Access your insights in a matter of seconds**

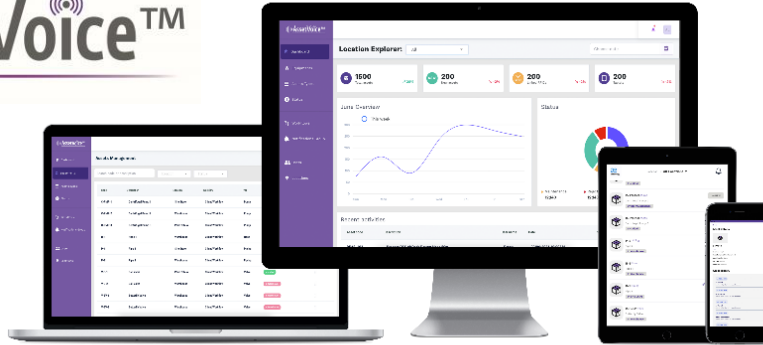
Enjoy hourly updated spreadsheets and progress reports of the data you capture in the facility or during an audit to enable the benefits of the project to be realized quicker by gaining instant access to your insights, in the format you need it in



## **Fully customize the software to fit your needs**

Ranging from photographs to name plate data and dropdown lists, select the data fields you need, how you want to capture them, and the rulesets associated with them to ensure you capture everything you need, right first time

# RFID asset tracking and change automation software



**Automated and real-time asset tracking, that cuts costs and maximizes productivity**

An award-winning automated change management software, utilizing RFID technology and sensors to monitor, track, and manage mobile and critical assets in the most effective and efficient way possible

## The benefits of using AssetVoice™



### Risk mitigation

Mitigate risk through alerts and notifications about critical actions and movement



### Informed decisions

Make strategic decisions with confidence



### Business efficiencies

Gain instant access to locations and data associated with critical assets to unlock efficiencies



### Assure productiveness

Unlock efficiencies in business operations through access to a shared, reliable and accurate repository of assets data



### Minimize costs

Avoid unnecessary expenditure and fines



### Eliminate time wastage

Minimize time wastage searching for assets and critical data points

# Maintenance benchmarking and optimization software



**Get the insights you need to optimize maintenance expenditure and asset performance.**

Aim-Hi™ is a cloud-based maintenance analytics and benchmarking tool that provides instantaneous intelligence around maintenance KPIs and the plant's maintenance management regime, helping maintenance personnel to identify areas of underperformance and discover opportunities for optimization.

## The benefits of using Aim-Hi™



### Understand how your asset performance compares to best practice

Benchmark your asset performance against assets within your organization or against our library of industry data to identify areas for optimization



### Enhance your understanding of performance gaps

Make sense of big data and efficiently identify what is causing underperformance of your KPI's to discover possible improvement and optimization opportunities



### Optimize time and expenditure

Assure you do the right maintenance, on the right equipment, with the right materials, no more – no less



### Reduce equipment downtime

Enhance your maintenance management regime to ensure your maintenance is effectively mitigating against known failures

# Our hardware – The RWIS

## Cutting edge engineering and hardware with dual functionality

### Quadruple well kill injection rates

Pumping in excess of 200 barrels of kill mud per minute through a single relief well, four times as much kill fluid as typically achievable



### Reduce costs

Reduce construction costs by reducing the number of wells required to meet your production target



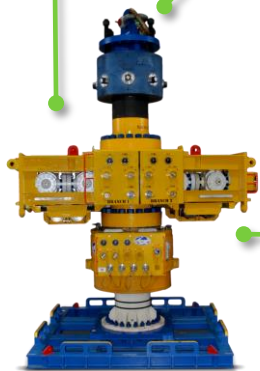
### Single relief well contingency

To comply with legislations and regulations to assure projects are sanctioned



### Increase production

Increase the size of your completions bore to maximize well flow and enhance production through access rights to the RWIS



**Add Energy, in collaboration with Trendsetter Engineering, has designed and built the worlds only single relief well kill hardware, the RWIS (Relief Well Injection Spool).**

The RWIS is a patented specialist subsea hardware that enables:

- Rapid control and kill of a hydrocarbon blowout via a single relief well safely and effectively
- Completion size of the well bore to be increased, to increase production with less resource





# Our people

# Expertise and experience

A global team of 175 technical experts with over 2,500 years of experience combined. Our team comprises of:



## Technical and Engineering Specialists

- Technical Authorities, Subject Matter Experts and ADDvisors
- Consultants
- Senior Engineers
- Engineers and Graduate Engineers



## Data, Technology and Innovation Specialists

- Data Scientists
- Data Analysts
- Software Engineers
- Research and Development Specialists
- Technical Assistants



## Leadership and Business Support

- Executive Vice Presidents
- Vice Presidents
- Business Development and Marketing
- Project Support and Document Control
- Finance and Administration

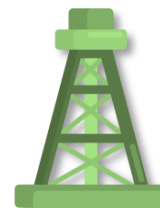
## Corporate highlights



**30 +** years of experience in well engineering and drilling operations management



**70 +** maintenance, integrity and materials management experts located across the globe



**80+** well kills and investigations, including being senior advisors for the Macondo, Montara, and Elgin Franklin blowouts



# Our credibility and track record

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# Client testimonials



**Client: BP**

"Plant reliability is one of the most noticeable outputs of this project; not only are we setting record reliability statistics, but we are achieving this with optimized levels of maintenance, done at the right time, in a globally consistent manner."

**Damien Dunne, Director of Maintenance**



**Client: US Federal Court for the Macondo/Deepwater Horizon Investigation**

"The court found Mr. Emilsen (Add Energy's Blowout Specialist) generally credible and believes that his modelling was accurate"

**Judge Barbier, Macondo Federal Court Case**



**Client: Lundin**

"I'm very pleased with the process and the high quality of the report. Several very interesting and pertinent points that will highly benefit our organisation and our ability/willingness to continuously improve."

**Alex Schneider, Chief Operating Officer**



**Client: Woodside**

"Add Energy has been a great partner for Woodside throughout the year and that is always due to good people working to do the right thing"

**Gary Jones, VP Drilling and Completions**

# Our credibility and achievements

## Our credentials

- Delivered solutions in **every region** of the world
- Over **2500** projects delivered since our formation
- Transferred expert knowledge and proven processes to **15+** green energy production projects
- Providers of the **world's largest** asset management improvement project
- **Co-developers and designers** of an offshore CCS hub in Australia
- Winner of the prestigious **Queen's Award** for International Trade
- An **award-winning software** innovation and development team
- **Trebled** our workforce over a period of 12 months

Delivered  
over  
**2500**  
projects

**15+**  
green energy  
projects

Worked in  
every region  
of the world

## Our results

- Increased Oil production by over **50%** through well modifications recommended by Add Energy
- Written over **100** safety cases for blue chip clients
- Reduced inventory costs by **\$74M** through enrichment of BoM data
- Increased drilling uptime by **11%** through reliability analysis
- Identified ability to generate **\$1.29M** per year, per well through repurposing to Co2 storage
- Enhanced plant production uptime by **4%** through availability modelling

Increased  
production by  
**50%**

Reduced  
costs by  
**\$74M**

Over  
**100**  
Safety Cases



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