



# Midstream Solutions

Keeping energy moving



GOAL ZERO  
YOU LEAD



# Sustainable innovation

At ChampionX, we are passionate and purposeful about the safe and sustainable production of energy for the world.

With almost 100 years of experience, ChampionX provides a trusted team of experts, technology with impact, and proven supply assurance to help operators achieve peak operational efficiency while mitigating risk, lowering costs, and supporting their sustainability goals.

Our technologies support customers as they endeavor to reduce their carbon footprint, water use, and power consumption. We work to support environmental compliance and the safe, efficient, and cost-effective production of oil and gas. As the industry forges ahead toward a lower-carbon future, ChampionX is helping our customers maximize output economically, sustainably, and safely to support the growing demand for more and cleaner energy.

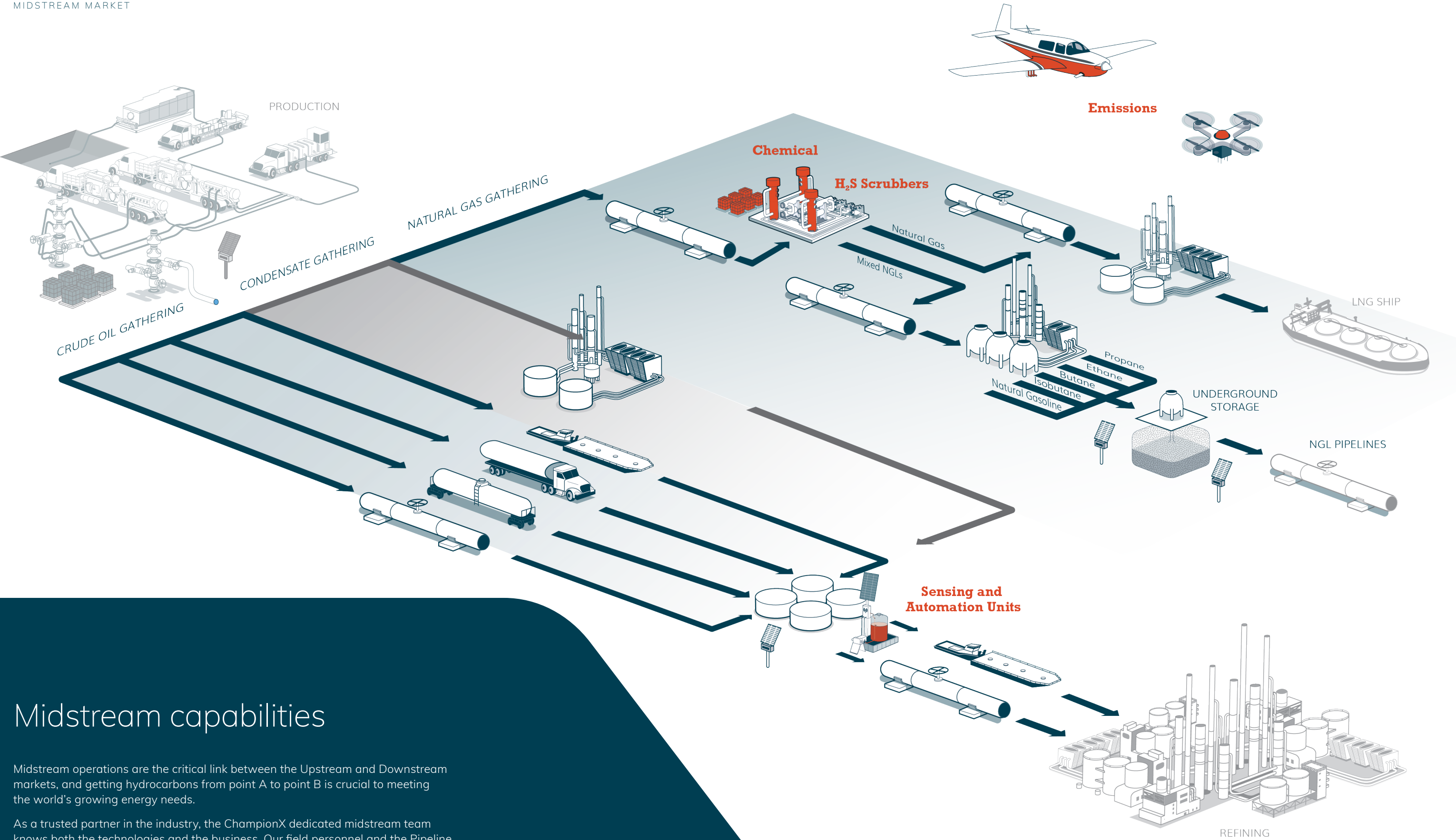
## Our commitment

ChampionX works alongside our customers every day to understand and steward their complex midstream challenges.

The ChampionX approach combines our focus on understanding and meeting our customers' KPIs with the industry's best people, best products, and data-driven insights to treat midstream issues, from the most routine to the most complex. Our world-class safety culture fuels our purpose of Improving Lives through our commitment to delivering unparalleled supply assurance, critical problem solving, and proactive responsiveness in a safe, cost effective, and responsible way.

By aligning our internal capabilities with our customers' needs and leveraging our century of expertise, we're able to unlock energy for our stakeholders.





# Midstream capabilities

Midstream operations are the critical link between the Upstream and Downstream markets, and getting hydrocarbons from point A to point B is crucial to meeting the world's growing energy needs.

As a trusted partner in the industry, the ChampionX dedicated midstream team knows both the technologies and the business. Our field personnel and the Pipeline Technical Team are PHMSA Operator Qualified and supported by a global network of subject-matter experts, focused on enhancing productivity and reducing operating costs.

# Field-proven chemistries

Our differentiator is almost a century of experience – in the lab and in the field. With that experience, ChampionX has developed an extensive offering of midstream-specific chemistries that are field proven to increase flow efficiency and protect new and aging infrastructure. Because we invest in continuous innovation, we repeatedly launch best-in-class products to better support chemical program efficacy.

We focus on aligning with our customers' key business drivers to deliver value relevant to their organization. Our teams are then equipped with the right toolset, skillset, and mindset to consistently achieve results for our customers and continuously improve how we do business. ChampionX offers a full-scale portfolio of market-leading chemical, digital, and service solutions. The people who deliver those solutions are what sets us apart.

**Asset integrity**

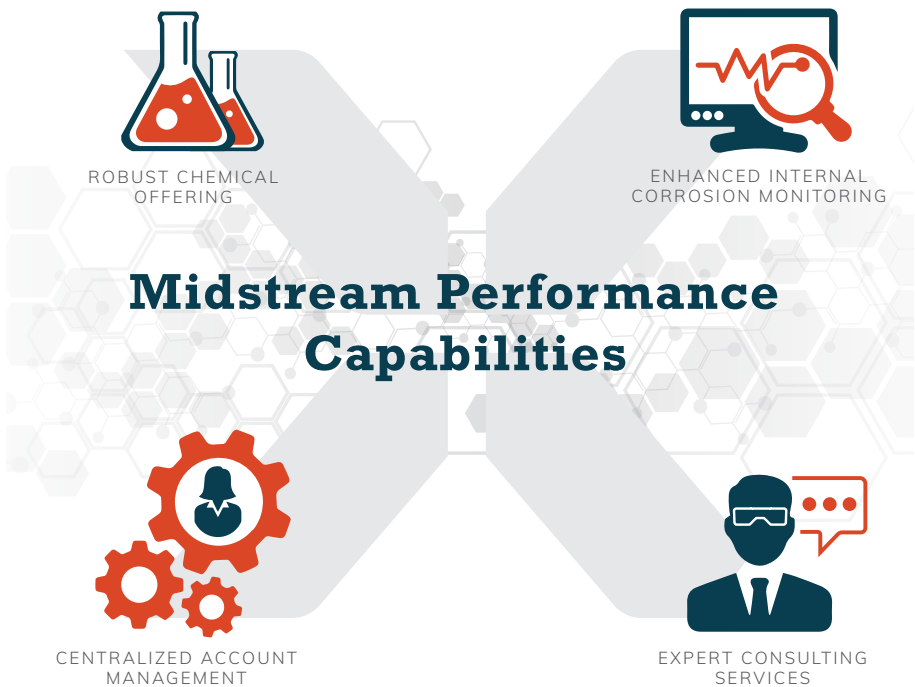
- Corrosion prevention
- Microbial control
- H<sub>2</sub>S scavengers
- Iron sulfide management

**Flow assurance**

- Scale management
- Paraffin/asphaltene management
- Cleaners
- Hydrate management

**Production maximization**

- Phase separation
- Foam control
- Flow improvement



## Clean n Cor®

**Multifunctional cleaner and industry-leading corrosion inhibitor**

Clean n Cor chemistries offer a single solution for removing deposits and debris to protect the pipeline with an effective corrosion inhibitor.

**Results in minutes**

Our patented surfactant and corrosion inhibitor are combined into one solution to provide sludge removal and asset protection.

## UltraFabIQ

**H<sub>2</sub>S treating on autopilot**

UltraFab systems deliver chemical, mechanical, and digital solutions aimed at eliminating harmful H<sub>2</sub>S. UltraFabIQ enables users to visualize and remotely control their H<sub>2</sub>S program — anytime and anywhere.

## UltraFab® H<sub>2</sub>S removal systems

UltraFab is the field-proven industry leader in compact, modular, and custom-engineered H<sub>2</sub>S removal systems. UltraFab, combined with our chemical solutions, provide turnkey H<sub>2</sub>S removal technologies and systems featuring automation and process control. Our equipment is backed by on-site commissioning and technical support worldwide. These systems utilize proprietary technology to remove H<sub>2</sub>S down to a specific outlet concentration, including complete H<sub>2</sub>S removal (0 ppm outlet).

These robust systems are designed to withstand harsh conditions, from extreme heat to Arctic cold temperatures. With a small footprint, they are perfectly suited for fixed or floating platforms and FPSOs.

**UltraFab systems help provide:**

- Increased and reliable on-spec production through automated monitoring and controls,
- Reduced total operation cost by eliminating chemical over treatment,
- Improved safety: our closed-process system means that no H<sub>2</sub>S or odorous chemical is vented or emitted
- Compliance with regulatory specifications, and
- Fast, easy installation with a self-contained design. Your H<sub>2</sub>S system is quickly operational with simple and cost-effective installation.



# Emissions monitoring

The world requires energy, and ChampionX is helping support a lower-carbon future by providing the technology and expertise to solve emissions monitoring challenges. ChampionX offers the oil and gas industry leading methane gas detection applications that help meet our customers’ sustainability commitments and goals.



## Scientific Aviation Aerial Monitoring

Our quadcopter and hexacopter unmanned drones are an ideal solution for near-field point source quantification and vertical measurements up to 400 ft. above ground level.

Our drones can measure winds, temperature, relative humidity, and pressure, and can be outfitted with a methane/ethane analyzer and whole air-sampling canisters. Our custom-built app controls the drone flight path, with real-time data and camera views.

Our manned Scientific Aviation fleet consists of three highly versatile FAA-certified Mooney aircraft, each with advanced avionics and navigational systems. These aircraft can be customized with a scientific payload specific to unique customer requirements.



## SOOFIE® Methane Monitoring

Our SOOFIE system is a ground-based technology providing continuous emissions monitoring and immediate alerts.

This rapid, reliable, and affordable system is an all-in-one solution that can monitor oil and gas facilities, 24/7 through a solar-powered, on-site detection unit that leverages cloud-based servers and AI for analysis and reporting.



## MidWave InfaRed with AURA OGI™

AURA OGI is one of the most intelligent MidWave InfaRed (MWIR) Optical Gas Imaging (OGI) cameras on the market, capturing higher resolution images than the leading competition.

AURA OGI makes detecting and documenting leaks even more efficient and consistent using built-in smart routes and navigation.

# Connections that improve operations

### Windrock technology

Windrock specializes in digitally transforming the way midstream companies monitor, manage, and optimize their reciprocating compressors and industrial equipment. Our mission is to provide customers with peace of mind through practical equipment reliability solutions and the people who make it happen. Windrock inspires the future of equipment reliability to protect the heartbeat of their clients’ operations.

### Norriseal-Wellmark

Norriseal-Wellmark, a ChampionX company, offers a variety of valves and control solutions used across multiple service industries and critical applications around the globe. From product selection to problem-solving, Norriseal-Wellmark can offer comprehensive support services designed to help you maximize productivity and minimize costs for every valve and control product. With in-house engineering, experienced technical support teams, and a wealth of information, our experts can help determine proper specifications and optimize every application.

## Windrock ‘s portfolio

- Portable engine and compressor analysis
- Spotlight™ continuous monitoring
- Enterprise™ asset optimization software
- Platinum™ online monitoring system
- AutoBalance™ automatic engine balancing technology
- MD Optimo™ asset health monitoring services
- EDGE Gateway™ wireless data transmission





# Chemical Injection Pumps

## Optimize your chemical program

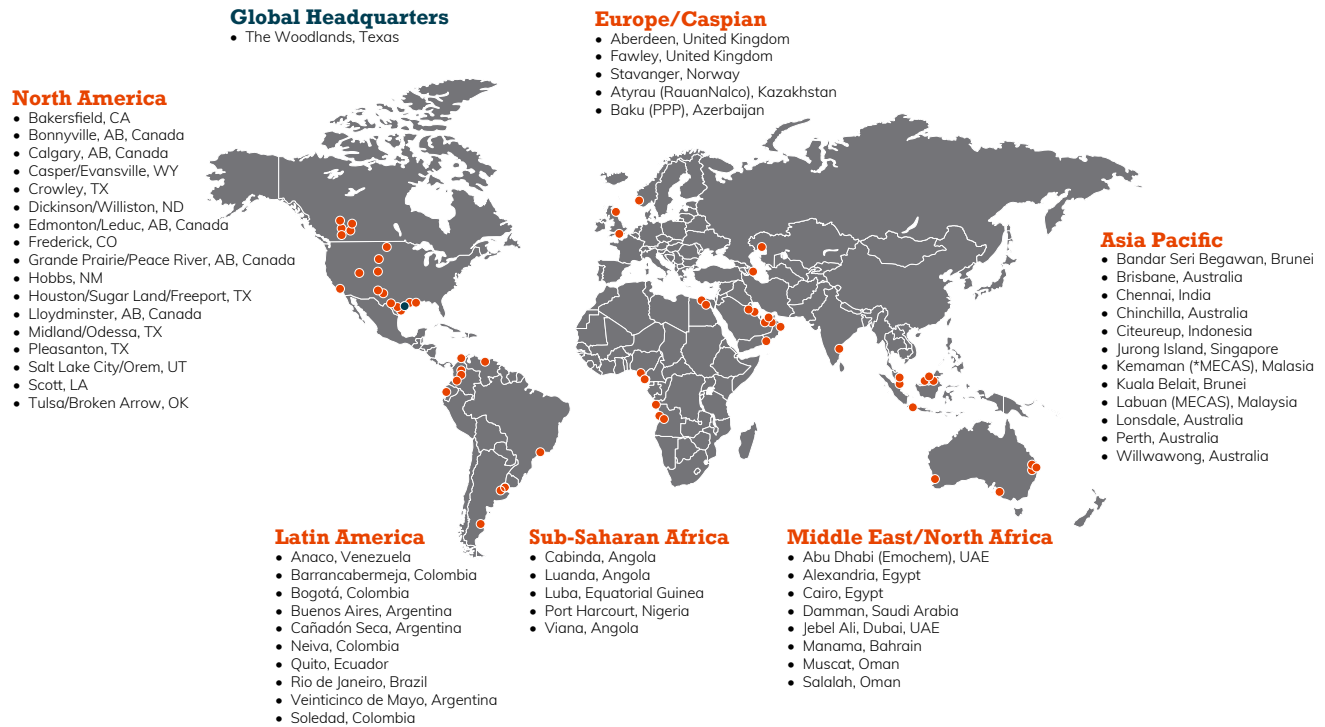
Wellmark single- and multi-point chemical injection pumps include flow-based proportion control to optimize costs and maximize protection. The automated DigiUltra control system is capable of delivering time-based batch treatments for the single point injection pumps and remotely monitoring tank levels. The ChampionX operational dashboards provide a secure platform for maintaining program transparency, driving strategic action and optimizing chemical management performance.





# About ChampionX

ChampionX is a global leader in chemistry programs and services, drilling technology, artificial lift solutions, and automation technologies for the upstream and midstream oil and gas industry. We bring more than a century of expertise and 7,000 team members to deliver forward-thinking innovations, unmatched global supply chain capability, and market-shaping solutions in reservoir, drilling, production, midstream, and water applications. Our world-class safety culture fuels our purpose to improve lives through our commitment to deliver sustainable operations.



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**GOALZERO**  
**YOU LEAD**

The safety of our associates, customers and communities is vitally important. From the way we operate, to the products we develop, to how we partner with customers, our goal is zero: zero accidents, zero incidents, and zero environmental releases.

You Lead is at the heart of our safety culture and conveys the expectation that each of us is empowered to observe and intervene, to lead by example, set expectations and be accountable.

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