

ENERCOM: The Oil & Gas Conference 2021

Advancements in Pipeline Technology

Life and Health are Paramount

Safety Moment

The Price of Operating Pipelines

Colonial Pipeline Incident

May 7, 2021 – May 13, 2021

Texas Weather Incident

Feb 10, 2021 – Feb 19, 2021

RISK MITIGATION IN THIS SCENARIO:

It's impossible to prevent severe weather events or to completely protect against criminal activity, but our industry takes precautions to lessen impacts while preparing to respond as soon as possible – because natural gas, oil and fuel products run the modern U.S. economy and daily life.

BIG TAKEAWAYS:

- **Energy Infrastructure is VITAL: The U.S. needs more, not less, energy infrastructure** – not just fuel pipelines, but pipelines that bring oil and natural gas from producing areas to refineries, processing facilities and consumers. They're also critically important to U.S. energy security.
- Average annual accident rates during 2007–16, per billion ton-miles of oil and gas transported, were **0.66 for oil pipelines (i.e., the fewest accidents), 0.73 for natural gas pipelines**, 2.20 for rail, and 7.11 for road.
- During the same period, annual property damage caused by pipelines (\$352.89 million) was only about 0.002%—**or two one-thousandths of 1%—of U.S. GDP in 2016** (\$18.46 trillion).



- Department of Energy Secretary, Jennifer Granholm.

Our license to operate

Pipeline Integrity

Pipeline Technology Improvements?

Safety, life and health are always the primary focus of pipeline integrity. **Second is the mandate for environmental stewardship.**

There are no more excuses for leaks of refined products, crude or methane. These aspects of our business must be executed flawlessly in order to secure investments for critical new pipeline infrastructure and to also achieve GHG emissions reduction goals.

HOW DO WE GET THERE:

- / ESG Goals, Regulatory Drivers and Product Capture
- / Automation, Flow Assurance and Personnel Optimization
- / Artificial Intelligence, Data Capture and Data Integration

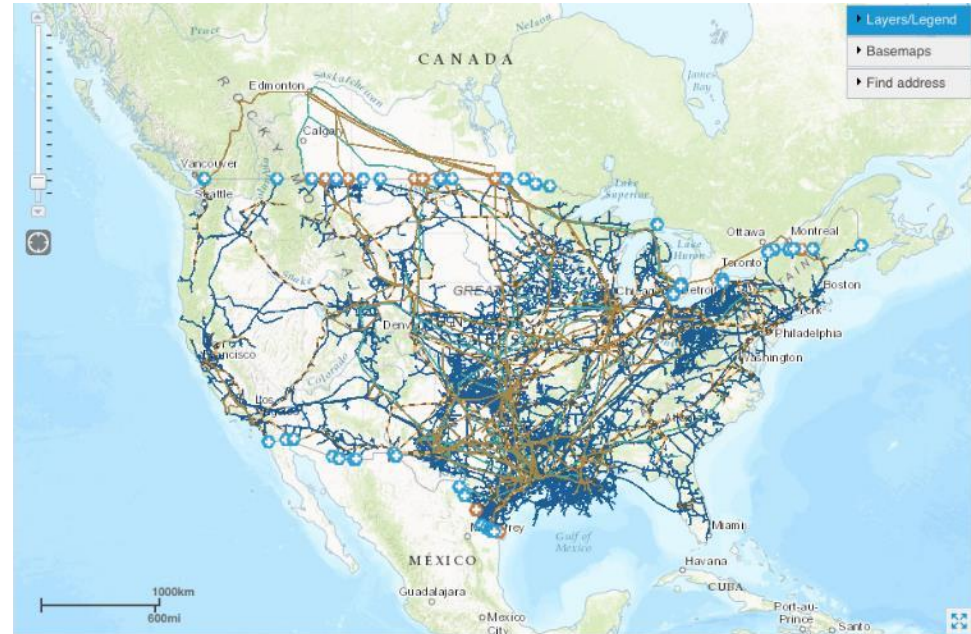
ESG Goals, Regulatory Drivers and Product Capture

Making Pipelines More Productive

ESG, Regulations and Product Capture

Why are pipeline companies implementing ESG initiatives:

- External pressure (media/public, Wall Street, communities, employees)
- Access to capital from institutional investors
- Adds value to portfolio companies
- Expectations from customers
- Regulations and licenses to operate in certain states
- Ability to attract and retain employees
- Values/integrity/ethics
- Exit strategies



ESG, Regulations and Product Capture

What ESG initiatives are we implementing:

- Tying Compensation to ESG targets
- Publicly making commitments, goals and reporting
- Investing in technology, infrastructure and products to meet those goals and targets
- Joining ESG based organizations
- ESG committees, board members and leadership roles
- Making ESG part of who they are.
- Fixing leaks wherever possible
- Eliminating **VOLUNTARY** emissions



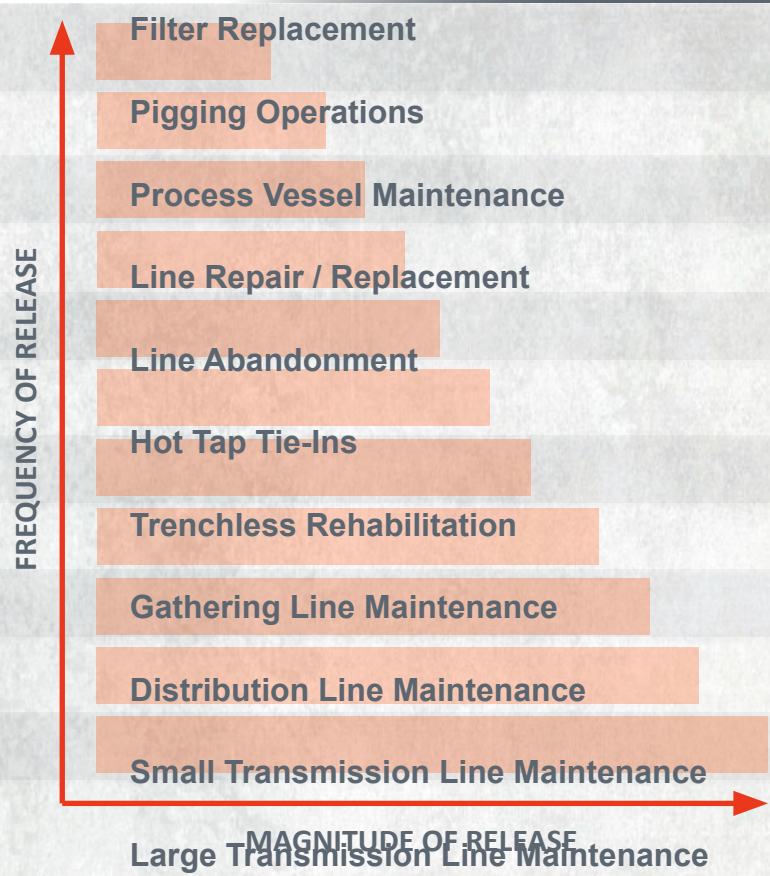
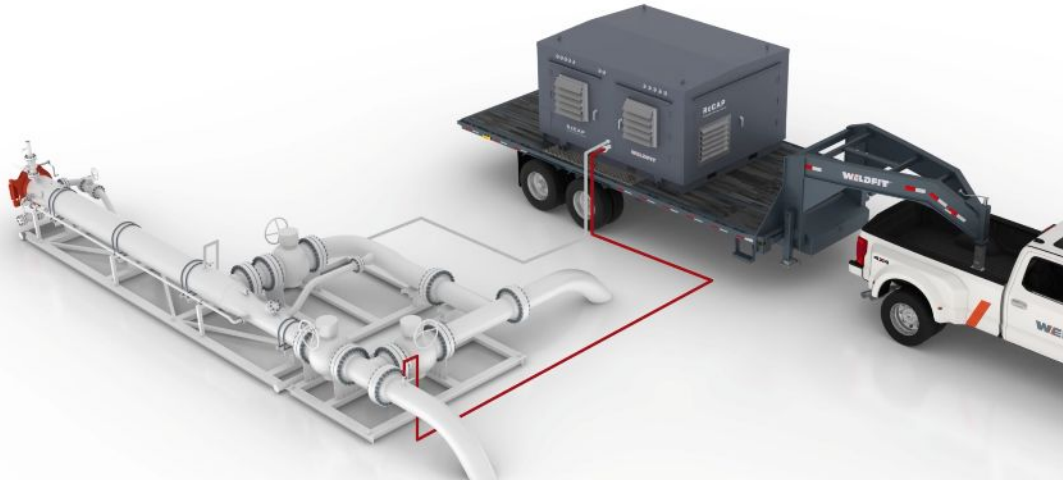
What are Voluntary Emissions?



What Is It... & Where Is It Used?

ReCAP™ is a pipeline depressurization and gas recovery system that does one simple, yet important thing in support of your ESG-driven methane or CO2 emissions reduction goals:

It eliminates the need for voluntary venting or flaring associated with blowdowns during common pipeline operations.



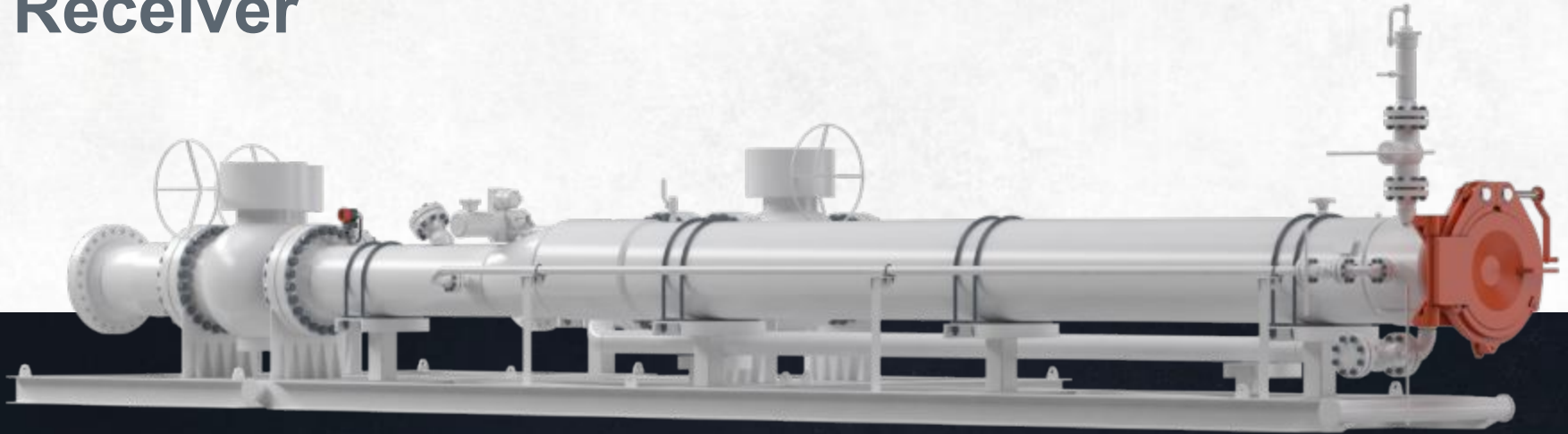
Open Valves
to full system pressure.



Automation, Flow Assurance and Personnel Optimization

Making Pipelines More Productive

SURELAUNCH® - Automated Launcher and Receiver



LOWER
OPERATION
COST

PROTECT
CREWS AND THE
ENVIRONMENT

MAXIMIZE
PRODUCTIVITY

IMPROVE
CAPACITY
AND
FLEXIBILITY

LOWER
MAINTENANCE
COST

FAST
TRACK
INSTALLATION

SURELAUNCH® HIGHLIGHTS

OPTIMIZED CREW DEPLOYMENT

- // Comes with remote ethernet access
- // Can accommodate up to eight cleaning pigs
- // Robust data package provided

CONFIDENT HSE PERFORMANCE

- // Reduces safety risks and the cost of transportation and field installation
- // Eliminates supply gas, supply gas treatment and emissions
- // Hydrostatic pressure tested in accordance with the applicable codes
- // Designed to all applicable safety design factors

MORE PRODUCTIVE OPERATION

- // Launch pigs in high and low flow conditions
- // Launch any type of pig
- // Increased service life
- // Reduced maintenance costs
- // Reduced emissions exposure
- // Comes with quick opening closure

MORE STREAMLINED INSTALLATION

- // Skid-mount ready and primer coater
- // Delivered with all nozzles for vents, pressure gauges and drains



Artificial Intelligence, Data Capture and Data Integration

Making Pipelines More Productive

How Does OnSITE Work?

3 Easy Steps to Connect.

1

Login to the app from your mobile device or desktop computer.

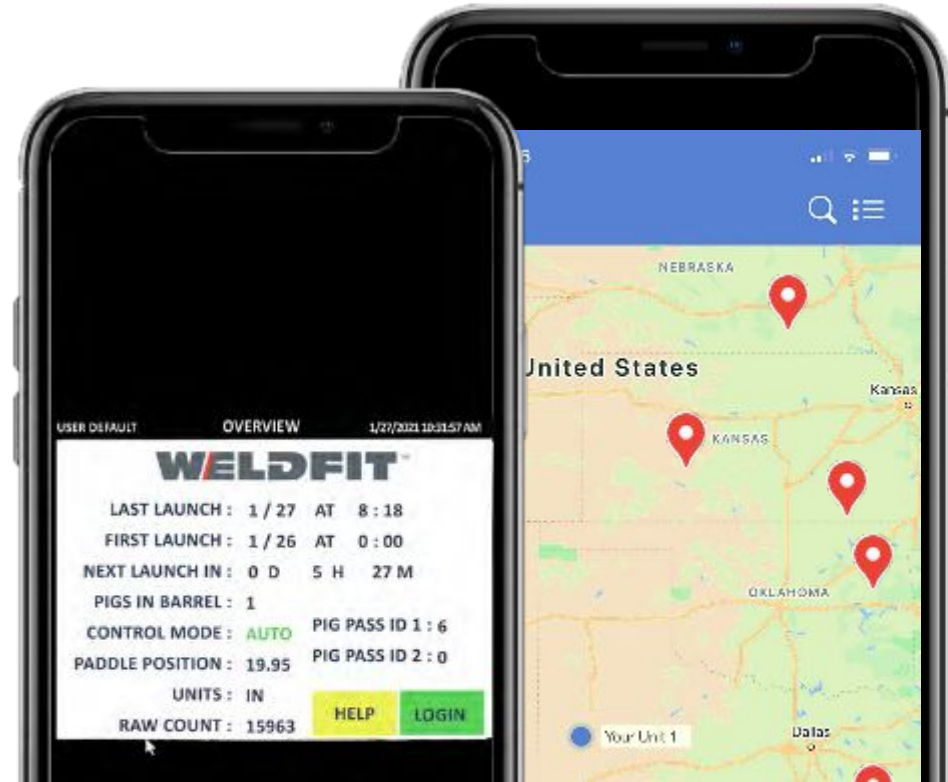
2

Select the SureLaunch® unit you'd like to access from the list or map view.

3

Pull up the HMI screen and you're now in control of the system – remotely!

SURELAUNCH® OnSITE™ / WELDFIT.COM



How does it make you more productive?

/Personnel Safety – Limit the number of times operators are required to travel to the field – often in remote locations.

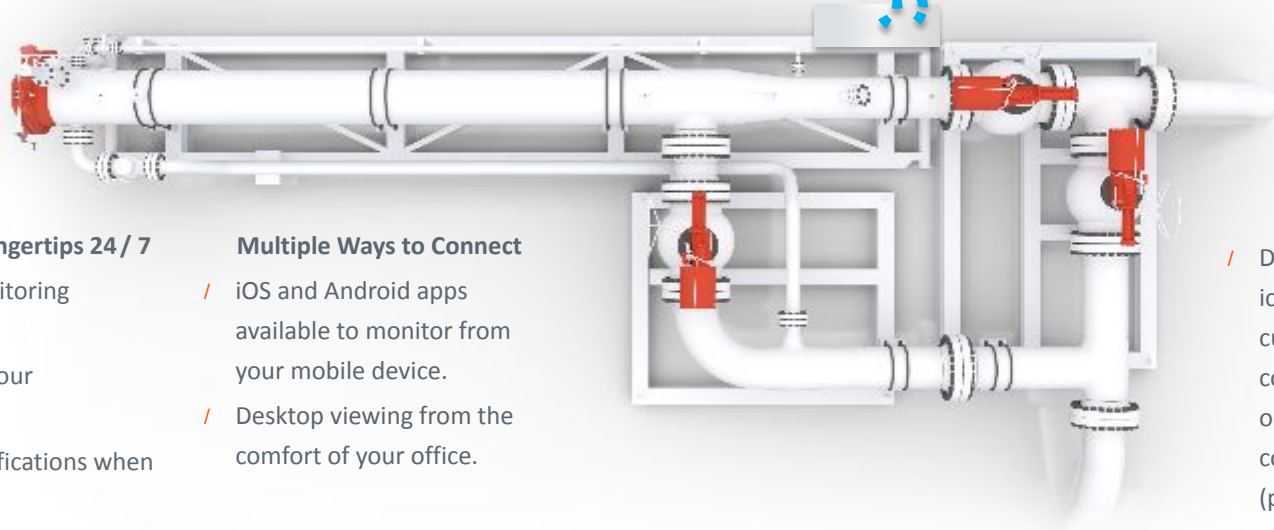
/SCADA Alternative – More remote functionality when compared to the limited output only viewing of SCADA systems or when SCADA systems aren't present.

/Launch Pigs – Operators can deviate from pre-programmed launch schedules and immediately launch a pig or stop the next scheduled launch – all through the app and all without a trip to the field.

WELDFIT



Features You Can Appreciate From Miles Away.



Access at Your Fingertips 24 / 7

- ✓ Real-time HMI monitoring and control.
- ✓ Geolocation of all your SureLaunch® units.
- ✓ Email and SMS notifications when unit alarms trigger and when pigs launch.

Multiple Ways to Connect

- ✓ iOS and Android apps available to monitor from your mobile device.
- ✓ Desktop viewing from the comfort of your office.

Real Life Applications

- ✓ During the recent Texas ice storm, one of our customers was able to connect and launch pigs on schedule from the comfort of their own (powerless) home.

OnSITE™

Real-Time Access

PLC / HMI monitoring & control for SureLaunch® systems.

Thank you