

THE UNSEEN LIFELINE: PROTECTING OUR ENERGY FUTURE

SECURING OUR PIPELINES

Oil and gas pipelines are essential for distributing energy across the country, but they face significant security and operational challenges. Protecting critical infrastructure is crucial for both our economy and national security.

3.3

MILLION
MILES OF REGULATED
PIPELINES IN THE U.S.

64%

OF U.S. ENERGY
COMMODITIES ARE
TRANSPORTED BY
PIPELINE

PIPELINES DELIVER A MASSIVE AMOUNT OF ENERGY:

15.9

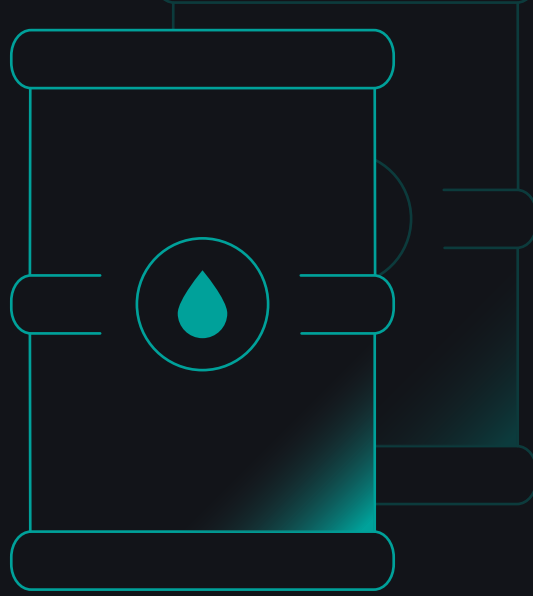
BILLION

BARRELS OF CRUDE OIL IN 2023

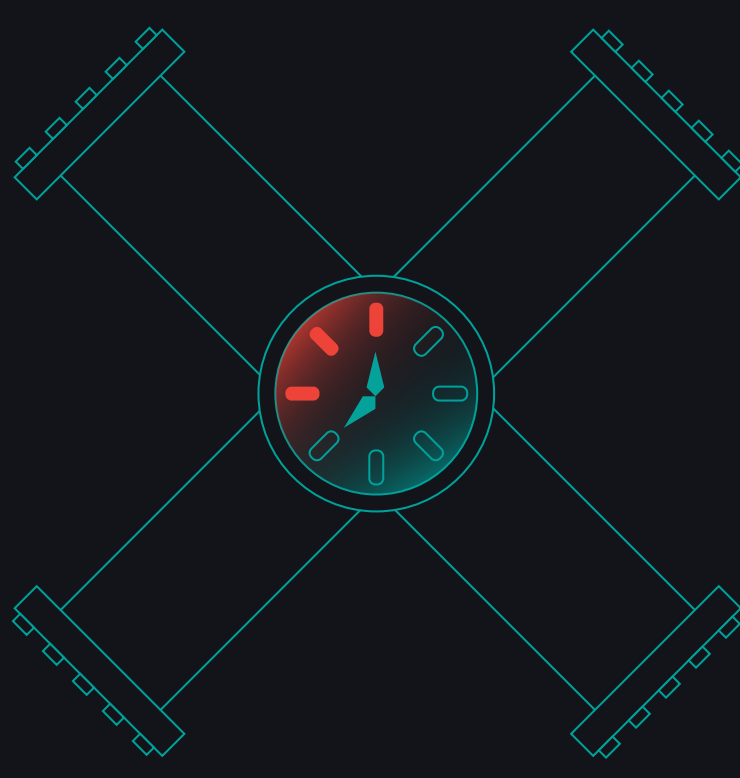
10.5

BILLION

BARRELS OF PETROLEUM
PRODUCTS (LIKE GASOLINE,
DIESEL, AND JET FUEL) IN 2024



UNDERSTANDING THE RISKS



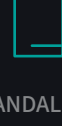
Pipelines—and associated assets like pump, compressor, and valve stations—are vulnerable to a range of risks, from accidents and natural disasters to theft and vandalism. These incidents can have serious consequences for people, the environment, and the economy.



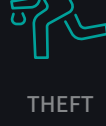
KEY THREATS



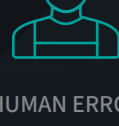
SABOTAGE



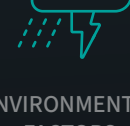
VANDALISM



THEFT



HUMAN ERROR



ENVIRONMENTAL
FACTORS

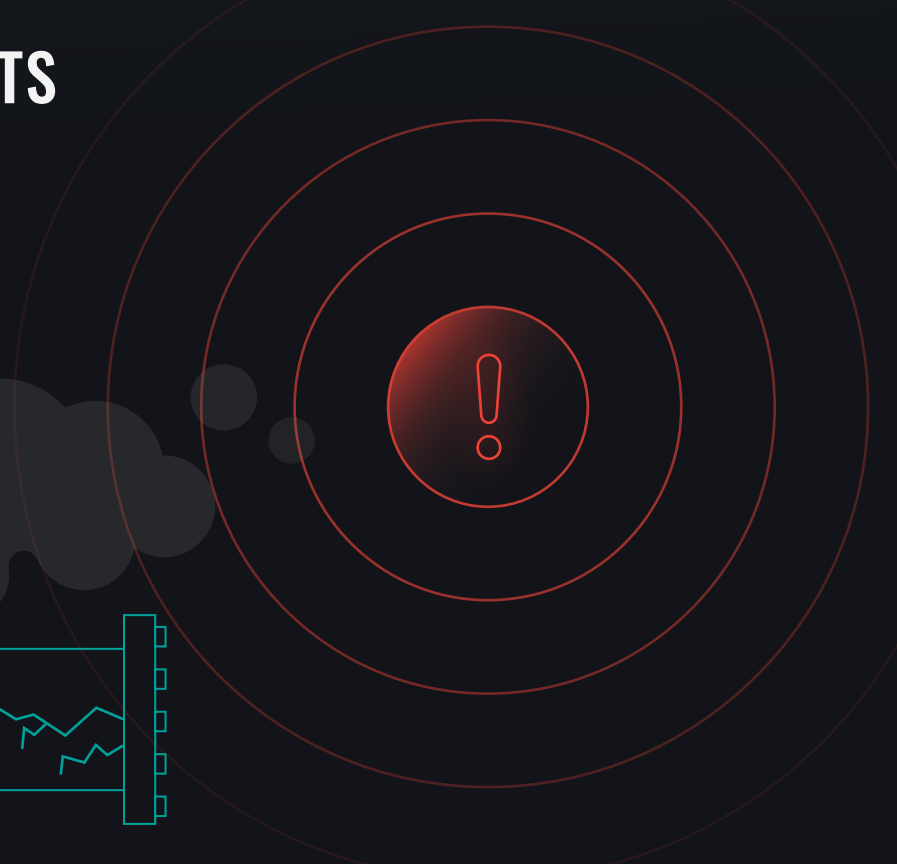
THE IMPACT OF INCIDENTS

FROM
2020 — 2024

THERE WERE

1,561

PIPELINE INCIDENTS
THAT IMPACTED PEOPLE
OR THE ENVIRONMENT



2024

43%

OF INCIDENTS

OCCURRED IN
HIGH-CONSEQUENCE
AREAS

2025

SERIOUS PIPELINE
INCIDENTS HAVE
TOTALED OVER

\$4

MILLION
WITH 14 INJURIES
AND 7 FATALITIES

2005 — 2025

IN THE LAST 20 YEARS,
THERE HAVE BEEN A
TOTAL OF

240

FATALITIES

1,019

INJURIES

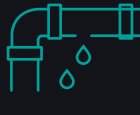


CAUSES OF INCIDENTS (2020–2024)



45%

**EQUIPMENT
FAILURE**



25%

**CORROSION
FAILURE**



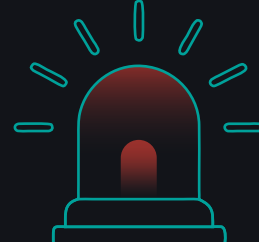
12%

**INCORRECT
OPERATION**



6%

**MATERIAL/PIPE
FAILURES**



THE COST OF ALL INCIDENTS
FROM 2005–2025 TOTALS MORE THAN

\$3.2

BILLION

A CALL FOR ROBUST SECURITY

Protecting oil and gas pipelines requires a comprehensive, multi-layered security strategy. Solutions that combine physical and operational safeguards can help combat losses and increase safety for both people and the environment.

LVT provides scalable security solutions for the oil and gas industry, from heavily trafficked sites to the most remote locations.



INTERESTED?

To learn more about multi-layered defense for your pipeline operations, visit lvt.com or call 385-262-4999.

LVT

SOURCES

¹ American Petroleum Institute (API) or Pipeline and Hazardous Materials Safety Administration (PHMSA)

² Pipeline and Hazardous Materials Safety Administration, PHMSA Pipeline Safety, March 2025

³ 2024 Pipeline Performance Report by American Petroleum Institute (API) and Liquid Energy Pipeline Association (LEPA)

⁴ US DOT Pipeline and Hazardous Materials Safety Administration, on PHMSA Serious Pipeline Incident Report

⁵ US DOT Pipeline and Hazardous Materials Safety Administration, on PHMSA Serious Incident Cause Breakdown: 20 Year Totals (2005-2024)