



UniversalPegasus
INTERNATIONAL
A Subsidiary of Huntington Ingalls Industries

DEALING WITH CHANGING PIPELINE CONDITIONS

February 2015



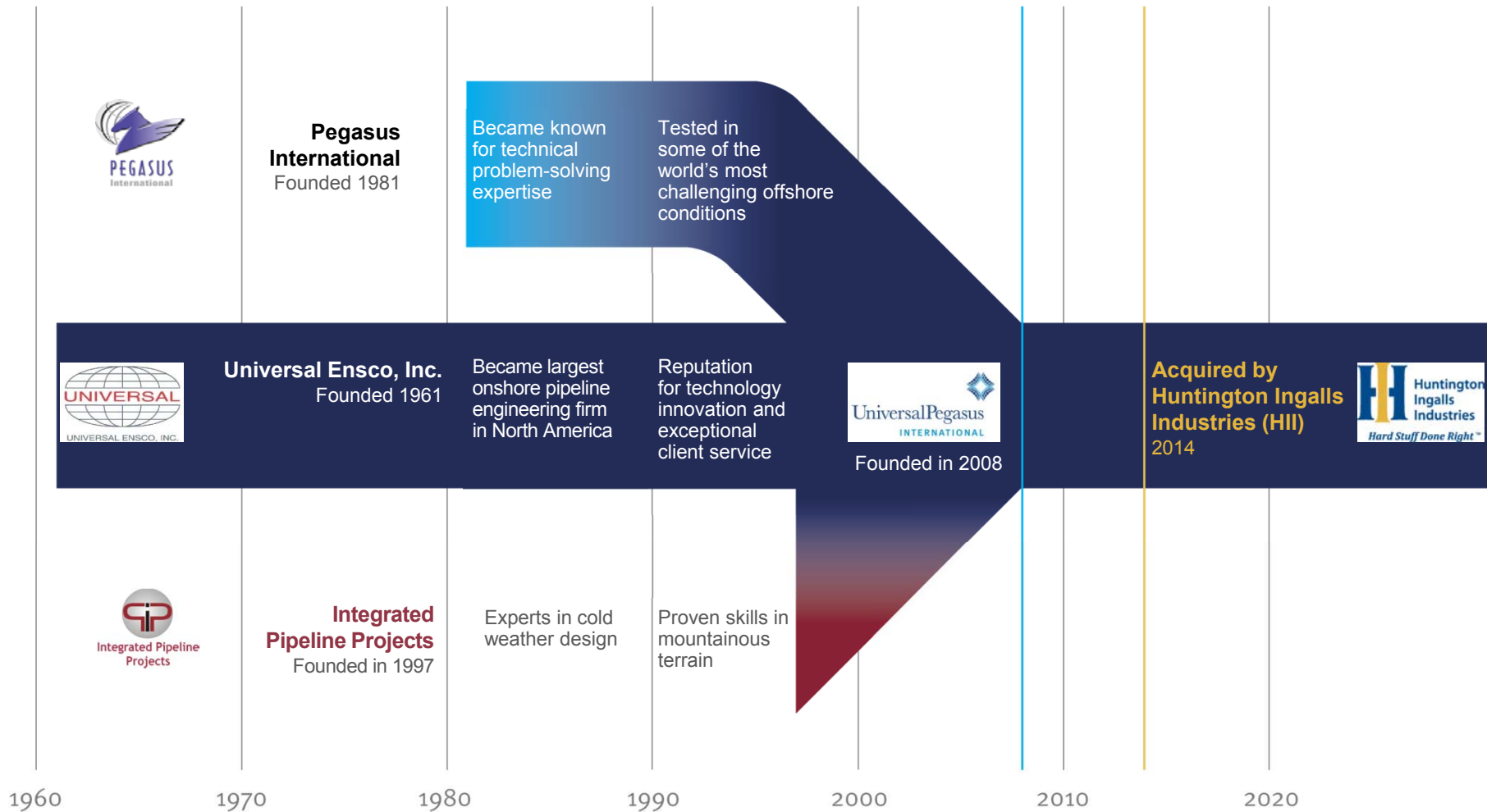
Safety Culture: #1 Priority – “No one gets hurt”



- **We are committed** to protecting employees, the public, property and the environment
- **Safe and healthful work environment** through awareness and prevention
- **‘ZERO’ accidents** – all accidents are preventable with good planning
- **Safety Plans developed** based on our Health & Safety process and procedures
- **Increased employee awareness** of the importance of health and safety to drive our safety culture
- **Corporate sponsored** employee safety and health incentive programs and training
- **Leadership and guidance provided** in our Corporate Safety and Health Management Program
- **Employee on-the-job safety** is the primary responsibility of all personnel
- **Positive employee attitude toward safety and health** through active cooperation with Management

Over One Million Work Hours Since Last Incident

UPI – 50+ years Heritage of Excellence



Corporate Organization



FLOW REVERSAL CONSIDERATIONS



DESIGN

- Flow Rates
- Existing Facilities
- Facilities Planning
- Null Point of System

PIPELINE ISSUES

- Class Location DeRate of existing pipeline
- Loops not completed
- Pipeline Cross-overs
- Lateral Feeds
- OPP Regulators

REGULATORY

- Air Emissions Permits
- Odorization

FLOW REVERSAL CONSIDERATIONS



PHYSICAL CHANGES

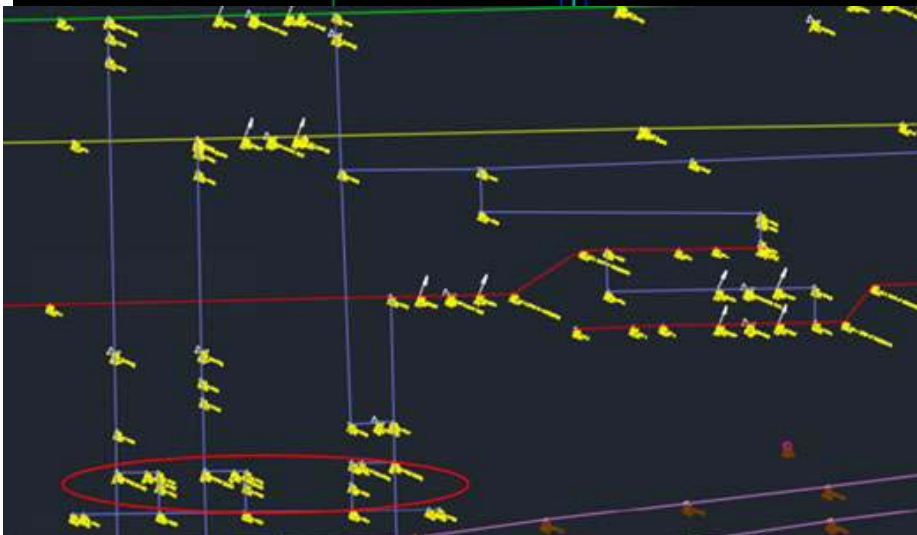
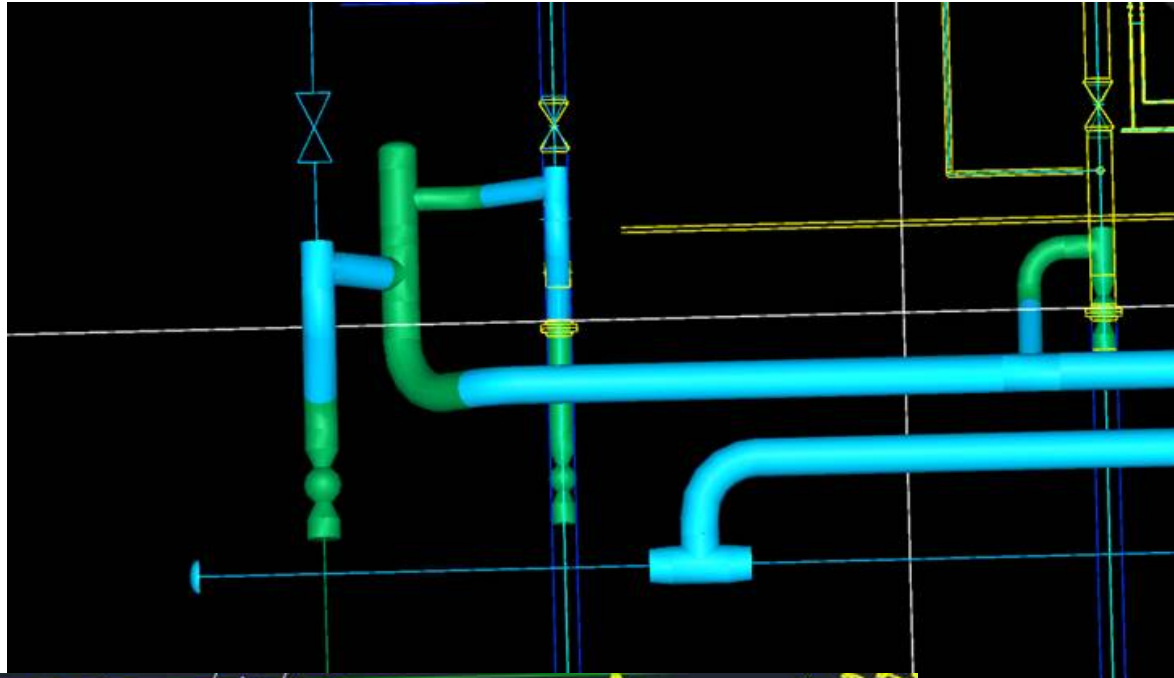
- Launcher / Receivers
- Existing Facilities
- Reversing Valves
- Automation
- Station Shutdowns

PIPELINE ISSUES

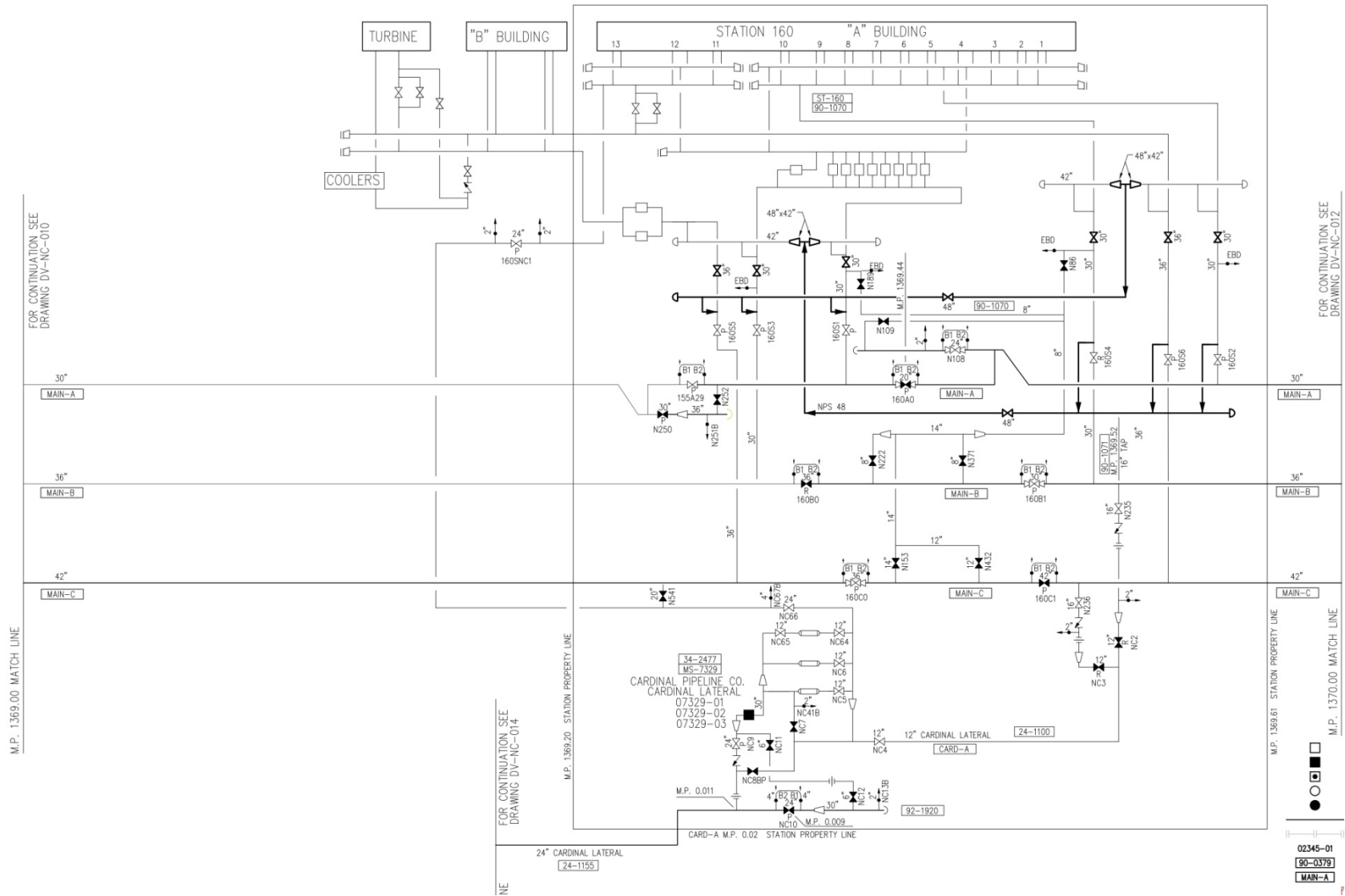
- Class Location DeRate of existing pipeline
- Loops not completed
- Pipeline Cross-overs
- Lateral Feeds
- OPP Regulators

REGULATORY

- Air Emissions Permits
- Odorization



Diagrammatic



COMMENTS ??