

YOUR PARTNER FOR PIPELINE ENGINEERING, INTEGRITY, AND PROJECT MANAGEMENT.



Areas of Technical Expertise

Pipeline engineering
 Mechanical engineering
 Hydraulic engineering
 Risk management
 Asset integrity
 Controls and automation
 Cathodic protection (CP)
 Project management
 3D modeling and drafting
 Geographic information systems (GIS)

HT Engineering helps natural gas and hazardous liquid pipeline operators in the Midwest improve the safety, integrity, and efficiency of new and existing energy infrastructure. We offer full-service pipeline engineering and integrity management services, including:



Pipeline and Facility Engineering



Integrity Management



Regulatory Compliance



Automation Design

Do the right thing for the public in the right way for your business.

HT Engineering helps ensure that your energy transportation infrastructure is safe, operationally sound, and regulatory-compliant. We work with the Midwest's leading natural gas and hazardous liquids pipeline operators to engineer, design, build, control, and maintain pipelines and facilities in ways that help achieve these goals:

- Protecting public safety, health, and welfare
- Promoting the viability of the oil and gas industry
- Strategically prioritizing the resources and optimizing the budgets of operators
- Maintaining compliance with the latest applicable regulations and industry standards
- Addressing the priorities of the local and national regulatory community

Trust the experience of Michigan's longest-serving pipeline specialist.

- Founded in 1972
- 1,500+ miles of pipelines designed and engineered
- 70+ energy facilities designed and engineered
- 4,600+ miles of in-line inspection pipeline integrity assessments conducted
- 360+ miles of hydrostatic tests engineered
- 700+ integrity digs and repairs supported
- 1,000+ miles of nitrogen displacements engineered and supported
- 200+ operations and construction procedures written

SUPPORT FOR EVERY ASPECT OF YOUR ENERGY TRANSPORTATION INFRASTRUCTURE.

Confidently design, build, operate, automate, maintain, and manage your energy transportation infrastructure with expert support at every step.

Pipeline and Facility Engineering

- Design and engineering for new natural gas and hazardous liquids pipelines and facilities
- Design and engineering for pipeline and facilities upgrades, modifications, and repairs
- Cradle-to-grave project management
- Design and engineering services for cathodic protection (CP) and vibration and electrical signature monitoring and analysis

Integrity Management

- Program consulting, development, maintenance, and improvement
- Audit preparation and support
- Integrity assessments
- Dig, inspection, and repair programs
- Risk assessments and screenings
- Preventive and mitigative measures consulting and implementation
- Other integrity initiatives such as water crossings, depth of cover, pipe support replacements, coating rehabilitation, and theft detection
- GIS consulting and model transitions

Regulatory Compliance

- Regulatory consulting
- Internal audits
- Agency audit preparation, support, and follow up
- Records and reporting
- Procedure development, implementation, and review
 - Operating, Maintenance, and Emergency Response Plans
 - Operator Qualification (OQ) Plans
 - Operations and Construction Procedures
 - Integrity Management Program Manuals

Automation Design

- Design and implementation
- Strategy development
- Local, integrated, and supervisory control
- Communications and data transfer
- Interface and protocol development
- System troubleshooting
- Vibration monitoring and analysis

Meet the HT Engineering Leadership Team

HT Engineering is staffed and managed by licensed professional engineers and veteran project managers focused specifically on energy transportation infrastructure. We are committed to being fully responsive to your needs and the unique requirements of your project. We look forward to serving as your go-to partner throughout the lifecycle of your infrastructure.



Brian J. Cooper, PE, PMP
President, Sr. Principal Engineer
(616) 452-3279; ext. 102
bcooper@htengineering.com



Daniel M. Cooper, PE
Sr. Principal Engineer
(616) 452-3279; ext. 107
dcooper@htengineering.com



Joseph F. Lehner, Jr., PE
Vice President, Sr. Principal Engineer
(616) 452-3279; ext. 108
jlehner@htengineering.com



Kirk W. Northouse
Electrical Controls and
Instrumentation Engineer
(616) 452-3279; ext. 105
knorthouse@htengineering.com



Jason R. Larman, PMP, CPWI
Project and Field Support Manager
(616) 452-3279; ext. 103
jlarman@htengineering.com



Steven D. Cooper, EIT
Project Engineer
(616) 452-3279; ext. 106
scooper@htengineering.com

