

Testing and Production Engineering Services  
for the Oil and Gas Industry

**Any Testing Lab  
Can Tell You If  
Your Sample  
Failed.**

**We're the Ones  
Who Can  
Tell You Why.**

**EWI—The Industry Leader in  
Materials Joining and Metallurgy  
Testing Services**

When it comes to critical welding, pipeline, structural, and metallurgical testing for your business, you know you can turn to EWI to help get it right. For nearly 30 years, the major oil and gas companies and their suppliers have depended on EWI for precise testing and accurate results in their upstream exploration and development projects...



**EWI**<sup>®</sup>

*We Manufacture Innovation*

## EWI Can Help Your Business With:

### Turnkey Qualification Programs

- WPS/PQR/WPQ, AUT

### Testing Services

- Complete range of traditional metallurgical and mechanical tests
- Fracture and fatigue tests:
  - CTOD, J, R-Curve
  - C-T, SENB and SENT geometries

### Material Testing

- RP2Z
- Toughness Compatibility Testing

### Failure Analysis

### Training

## Oil and Gas Industry Test Standards Set by EWI

Our expertise goes beyond the testing services available from most providers; we've actually designed and developed materials joining and metallurgical tests now used in the field including API RP2Z and other ASTM fracture mechanics specifications. In addition, we've been instrumental in creating test specifications for several oil companies, and have also helped set accepted standards through industry board\* participation.

Based on years of research and experience in both the lab and the field, EWI can tell you not only that a weld or metallurgical test has failed, but why. We'll give your staff the data and the insight necessary to make the required changes in materials, processes, variables, or technique to get your production project back on track sooner and for less cost. Our approach and expertise can save you time, expense, and effort, plus deliver a level of service that cannot be matched by your local testing lab.

From welding to metallurgy to mechanical testing and failure analysis, EWI has the fundamental experience, capabilities, and technical expertise to address your production engineering requirements. Let us be your "go-to" testing partner to ensure accurate, timely response on your production engineering requirements.

For more information on EWI services, visit our website at [ewi.org](http://ewi.org), or contact our oil and gas production engineering services representative at: **(614) 688.5144.**

\*EWI actively serves on API 1104, ASTM E8, API RG8, and AWS D1.1.

**"Through EWI's advice in welding metallurgy we were able to make adjustments that led to substantial savings in fabricating additional samples.**

**Thank you for the valuable recommendations."**

— EWI Testing Services  
Customer

### Current Clients

**Our testing and production engineering services clients include:**

- BP
- Shell
- Frank's International
- RTI Energy Systems
- McDermott
- Technip
- POSCO
- ArcelorMittal



We Manufacture Innovation