

Joint Industry/Government Pipeline R&D Forum

New Construction, Materials & Welding

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Office of Pipeline Safety

Research and Development

Projects Review

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The Office of Pipeline Safety research and development program

- OPS is sponsoring research and development projects focused on providing near-term solutions that will increase the safety, cleanliness, and reliability of the Nation's pipeline system



Three Major Project Areas

- Developing new technologies for leak detection and damage prevention
- Improving technologies for pipeline operation, monitoring, and control
- Improving pipeline materials.



Research & Development



■ Goals:

- ◆ Accelerate Delivery to Market of Technological Solutions to Pipeline Safety Problems
- ◆ Expand Stakeholder Involvement in R&D Planning
- ◆ Improve Availability of Research Results
- ◆ Better Serve Regulatory Needs – Near-term Focus
 - ◆ Damage Prevention and Leak Detection
 - ◆ Enhanced Pipeline Operations, Controls, and Monitoring
 - ◆ Improved Pipeline Material Performance
- ◆ R&D Web Site: <http://primis.rspa.dot.gov/rd>



Program Results Reported to Congress

- OPS will use a systematic process for evaluating the program's outcomes, using recognized best practices



New Construction, Materials and Welding

Pipeline Damage Prevention Through the Use of Locatable Magnetic Plastic Pipe and a Universal Locator

Contract #: DTRS56-02-T-0006 Gas Technology Institute
COTR – James Merritt

- Develop and commercialize economical, reliable locatable magnetic plastic polyethylene pipe material.



New Construction, Materials and Welding

Emerging Padding and Related Pipeline Construction Practices

Contract #: DTRS56-03-T-0005 Battelle Corporation
COTR – Harold Winnie

- Project will quantify the merits of modifications to existing construction practices and emerging practices related to pipeline padding.



FRP Smart Composite Pipe System

Contract #: DTRS57-03-C-10007

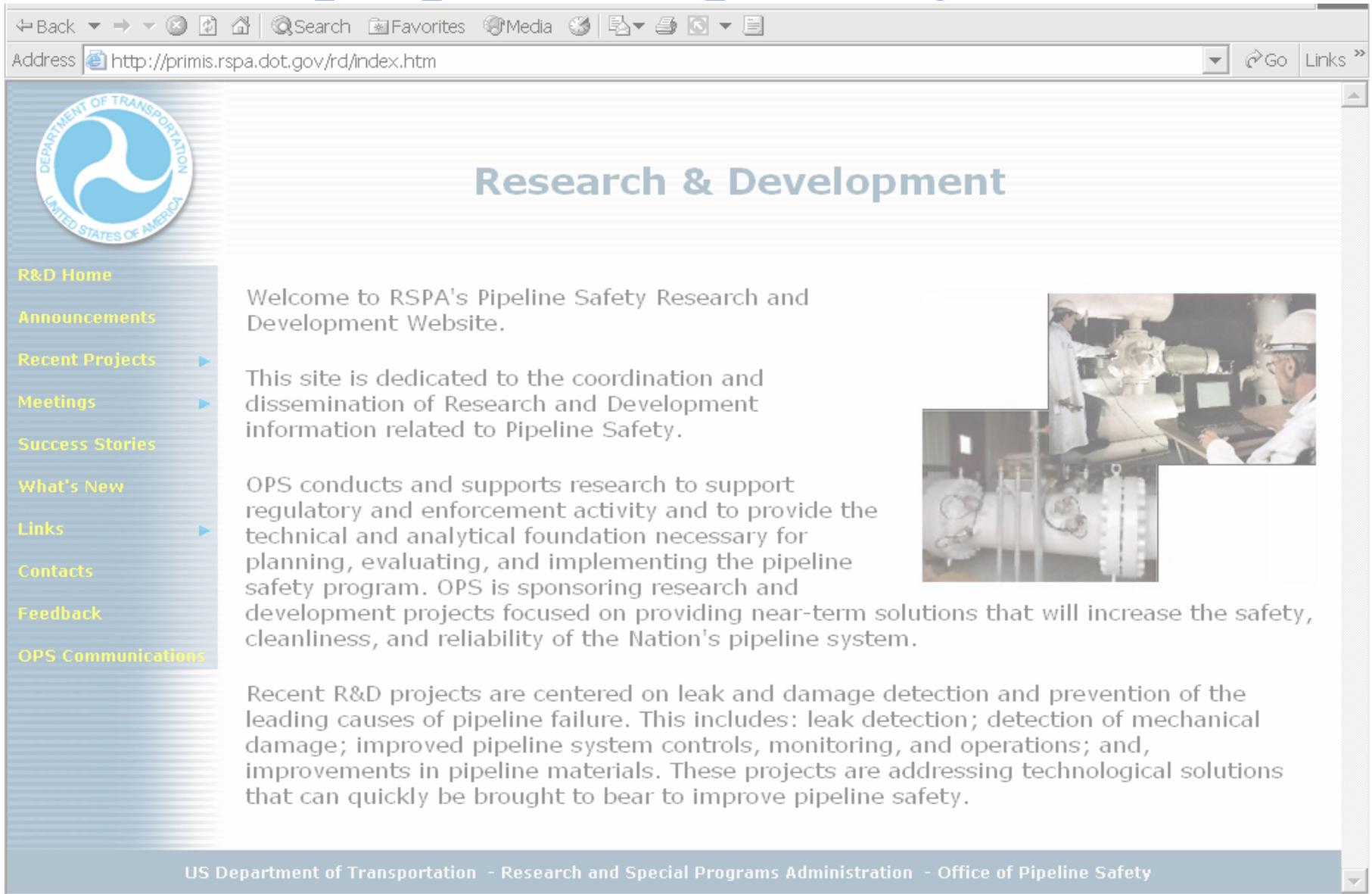
COTR – James Merritt

- This research project resulted in the development of an innovative SMART pipe system comprised of Fiber Reinforced Polymers (FRP) and a new generation of innovative filler materials.



R&D Web Site

<http://primis.rspa.dot.gov/rd>



The screenshot shows a web browser window with the address bar containing <http://primis.rspa.dot.gov/rd/index.htm>. The page features the Department of Transportation logo on the left and a navigation menu with items like R&D Home, Announcements, Recent Projects, Meetings, Success Stories, What's New, Links, Contacts, Feedback, and OPS Communications. The main content area is titled "Research & Development" and contains three paragraphs of text, two images, and a footer with the text "US Department of Transportation - Research and Special Programs Administration - Office of Pipeline Safety".

DEPARTMENT OF TRANSPORTATION
UNITED STATES OF AMERICA

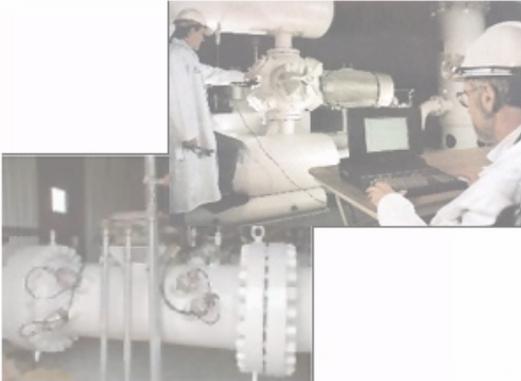
Research & Development

Welcome to RSPA's Pipeline Safety Research and Development Website.

This site is dedicated to the coordination and dissemination of Research and Development information related to Pipeline Safety.

OPS conducts and supports research to support regulatory and enforcement activity and to provide the technical and analytical foundation necessary for planning, evaluating, and implementing the pipeline safety program. OPS is sponsoring research and development projects focused on providing near-term solutions that will increase the safety, cleanliness, and reliability of the Nation's pipeline system.

Recent R&D projects are centered on leak and damage detection and prevention of the leading causes of pipeline failure. This includes: leak detection; detection of mechanical damage; improved pipeline system controls, monitoring, and operations; and, improvements in pipeline materials. These projects are addressing technological solutions that can quickly be brought to bear to improve pipeline safety.



US Department of Transportation - Research and Special Programs Administration - Office of Pipeline Safety

Thank You!

For more information, please contact

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Or

