

## QU, QATAR SHELL, IMPERIAL COLLEGE LONDON SIGN AGREEMENT ON PIPELINE CORROSION RESEARCH

QATAR UNIVERSITY (QU), Qatar Shell Research and Technology Centre (QSRTC), and Imperial College London recently signed a research and development agreement on corrosion prevention in wet sour gas pipelines, according to a press release from QU.

The signing ceremony took place at Qatar University and included QU Vice President for Research Dr Hassan Al-Derham, QSRTC General Manager Youssif Saleh, and Imperial College London professor of materials science and technology Mary Ryan.

The corrosion of pipelines transporting sour oil and gas streams is a specific technical challenge facing the oil and gas industry in Qatar. The research will use state-of-the-art analytical techniques focusing on the mechanisms to prevent pipeline corrosion and extend the life and durability of pipelines.

The agreement recognized Qatar University's role in developing a local capability to study the corrosion of pipelines via its Center for Advanced Materials (CAM) that boasts well-equipped laboratories and specialized expertise, and provides valuable assistance to local oil, gas and processing industries.

Commenting on the signing, Dr Al-Derham said: "At Qatar University, apart from providing education, we enhance social change and continuous economic development of the country and the world at large through research and partnership with industrial operators.

"This agreement with Qatar Shell which is focused on understanding scaling and corrosion in sour gas pipelines, aligns with QU's research priorities and is integral to Qatar's vision of becoming a knowledge-based society where research plays a vital role in resolving emerging issues, especially concerning the oil and gas industry, the country's main source of revenue for development."

Youssif Saleh said, "In line with the Qatar National Vision 2030, Qatar Shell is committed to identifying research collaborations that address real challenges impacting our business, that bring together coalitions involving key local research institutions, and which offer the opportunity for direct applicability for the benefit of the State of Qatar. Shell is proud of the investments that we make in innovation and research, but we're also delighted that we can support Qatar's ambition to develop research capacity in the country."

Prof Ryan said: "We are excited about this new research program to develop fundamental understanding of complex multi-scale systems in order to address real world technical challenges. We look forward to working with QU and QSRTC to develop a new approach towards delivering robust,

innovative solutions to pipeline integrity issues facing the oil and gas industry in Qatar."

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