

Abstract

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Using GIS as a Helping Tool in Gas Pipeline Design

Track: Pipeline Transmission

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Natural gas market growth in Brazil has required around US\$ 1.3 billion in pipeline expansion. To face this challenge Petrobras has decided to use a GIS System to manage the projects information and also make the information available in a network with accuracy, reliability and security. This paper presents the configuration adopted in the implementation of a pipeline database. The current issues points to a database model with capacity to manage attribute data and geographic data maintaining the integrity of both. The results of this implementation must be deliverable to the Web environment using a flexible and compliant solution.

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