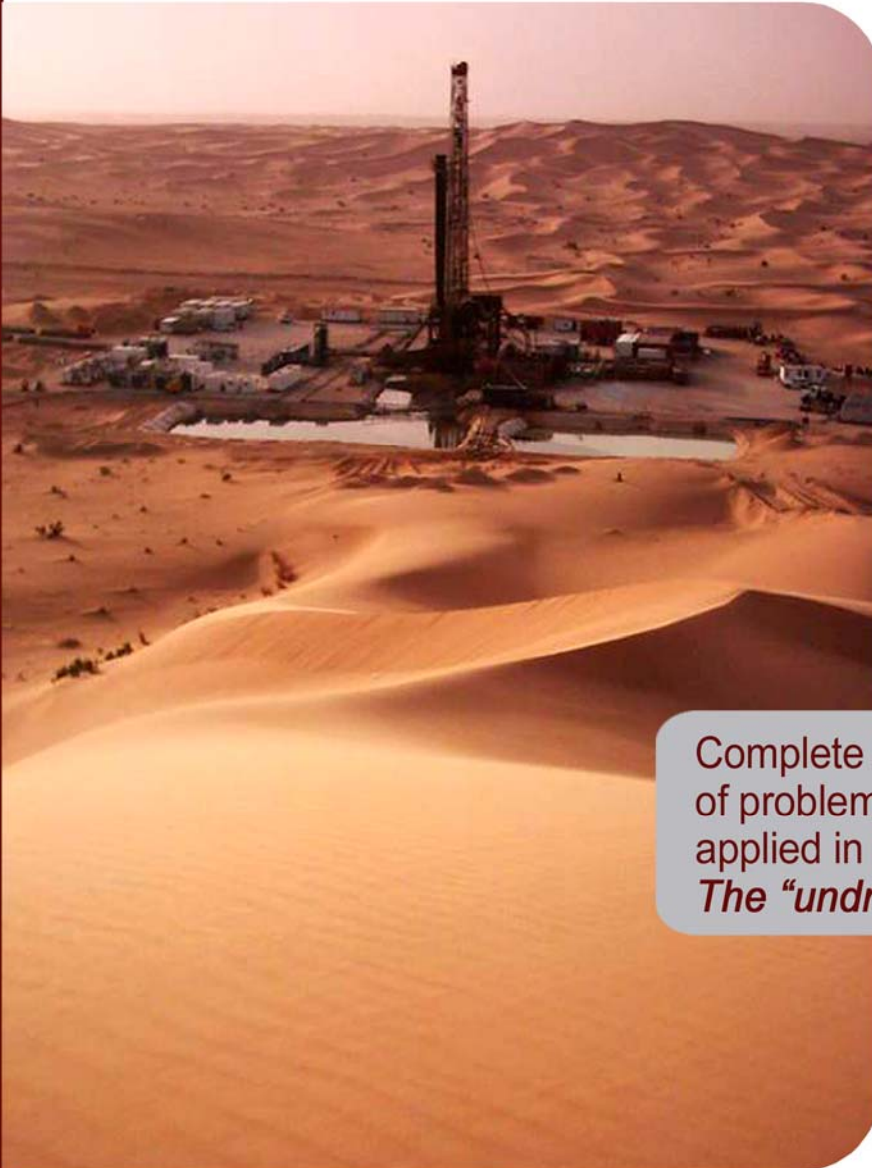




Enterprise Technology[®]

The E.T. Team



Complete focus from a dedicated staff of problem solvers. High-end technology applied in the office and in the field.
The “undrillable” just became feasible.



Signa Engineering Corp.

ENTERPRISE

LEADING-EDGE OILFIELD SOLUTIONS

- Engineering Design for Problematic Wells
- Field Execution of Difficult Projects
- Application of New Technology

Signa's ET Team asks for the "impossible" project, such as wells with multiple previous drilling failures. The ET Team is dedicated to providing real-world solutions for high-risk, high-reward oilfield scenarios.

UNCONVENTIONAL DRILLING APPLICATIONS

- Managed Pressure & UnderBalanced Drilling
- Directional, Horizontal & Multilateral Wells
- HPHT, Sour & Corrosive Environments
- Casing & Coiled Tubing Drilling

The ET Team is composed of registered professional engineers. Our company doesn't offer tools, rigs, equipment or other materials, so recommendations of the ET Team are unbiased and client-driven.

A HISTORY OF PIONEERING TECHNOLOGY

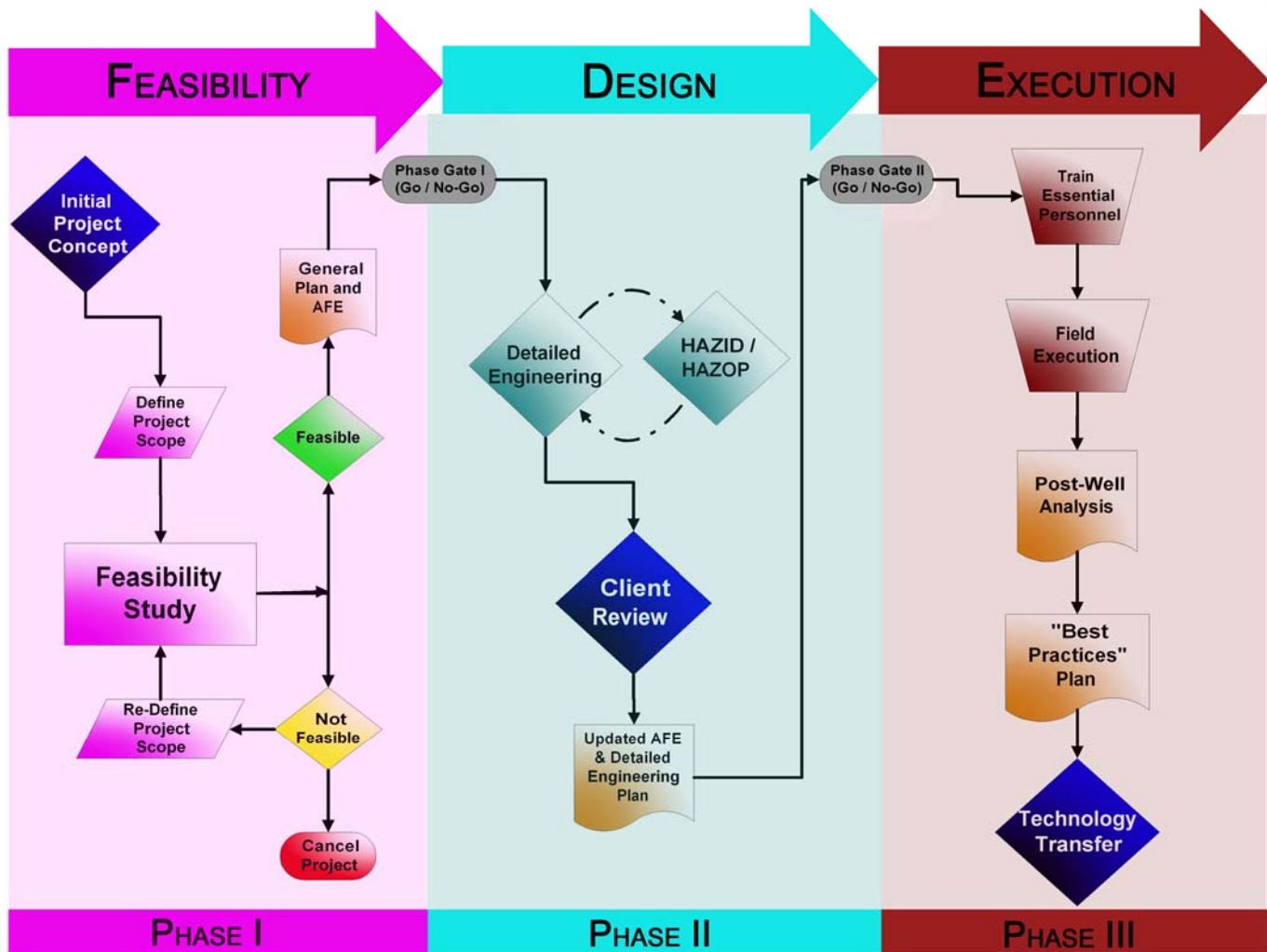
- UnderBalanced Horizontal Drilling (Austin Chalk)
- Pressurized MudCap Drilling (S.A. & Caspian)
- Managed Pressure Drilling around the Globe



TECHNOLOGY

Enterprise Technology Team: Phases I - II

In Phase I (Feasibility Phase), Signa's ET Team defines the project scope and performs a feasibility study to identify problems and determine manageability. Issues are discussed with the client and a general plan with approximate AFE created. In Phase II (Design Phase), the ET Team performs detailed engineering and prepares a comprehensive HAZID/HAZOP plan. A review is held with the client and the AFE and engineering plan is updated.



Enterprise Technology Team: Phase III

In Phase III (Execution Phase), job-specific training is provided for all essential personnel. The ET Team provides engineering and field execution to ensure project success. After project execution, a post-well analysis is performed. From this analysis, a "Best Practices Path Forward" plan is developed. All new technology resulting from the Enterprise Technology Team focus will be transferred to the client. Operations support will be continued as required.

**Commercial
Value**

Sigma

**Professional
Services**

**Qualified
Personnel**

**CUSTOMER
SATISFACTION**



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