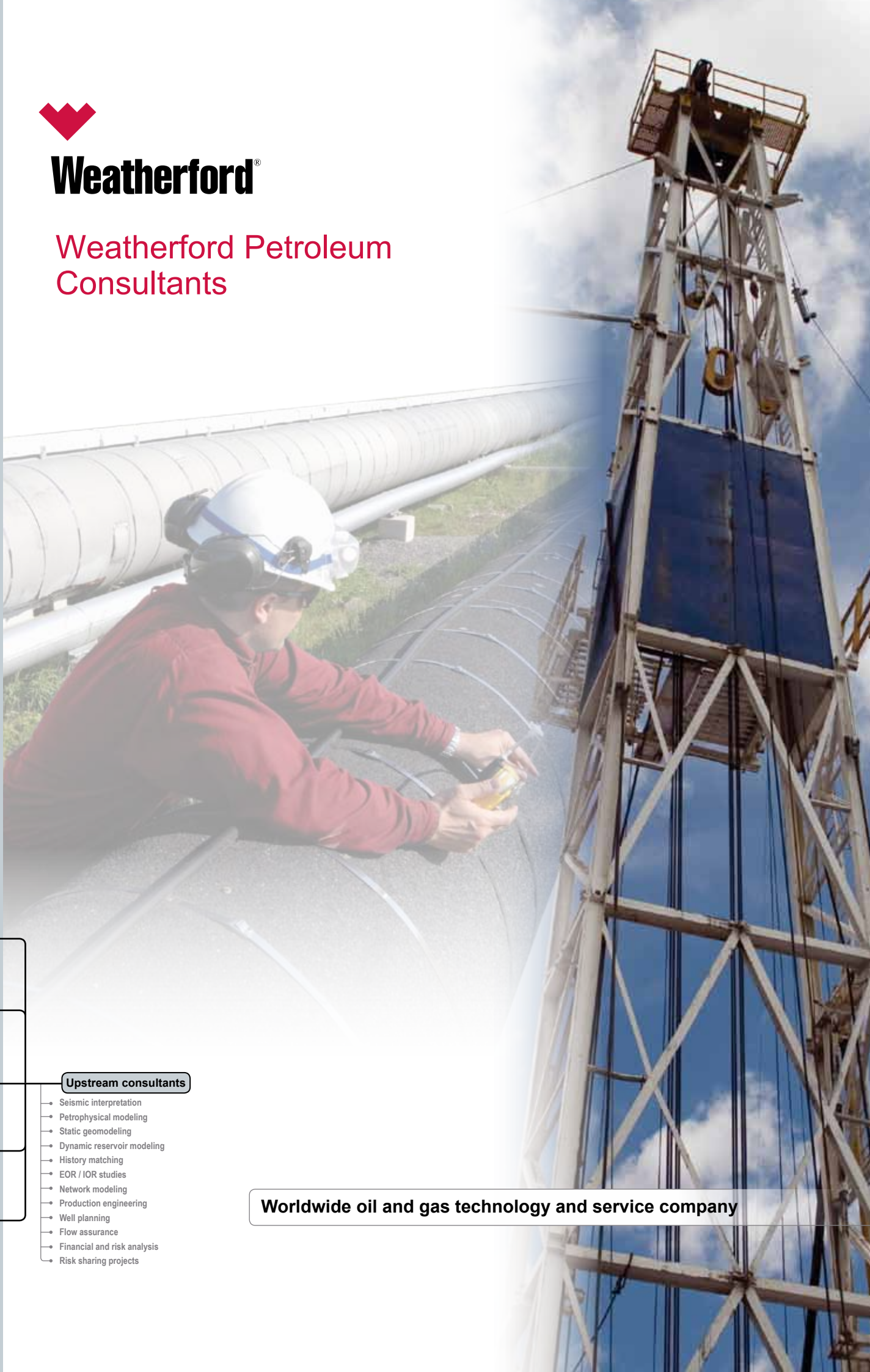




Weatherford®

Weatherford Petroleum Consultants



Drilling



Evaluation



Completion



Production



Intervention

Upstream consultants

- Seismic interpretation
- Petrophysical modeling
- Static geomodeling
- Dynamic reservoir modeling
- History matching
- EOR / IOR studies
- Network modeling
- Production engineering
- Well planning
- Flow assurance
- Financial and risk analysis
- Risk sharing projects

Worldwide oil and gas technology and service company

**Weatherford Petroleum Consultants
works with you to
increase your reserves and optimise your production.**

Services to increase the value of assets.

- Seismic interpretation
- Petrophysical modeling
- Geomodeling (static model)
- Reservoir modeling (dynamic model)
- History matching (brownfield)
- Reservoir simulation (IOR, production profiles)
- Production engineering (near-well, well, pipeline)
- Well planning
- Flow assurance
- Financial and risk analysis
- Risk sharing projects

Improving the bottom line is the goal of many managers, and while there are numerous ways to achieve it, engaging a consulting group is often considered controversial. To alleviate the uncertainty in making the decision to hire a consulting group and more importantly which consulting group to hire, Weatherford has developed a consulting philosophy based on the following principles:

- Intense listening
- Insightful questioning
- Collaborative processes
- Implementation plan of creative ideas

Weatherford Petroleum Consultants are unique in the industry in that we spend as much or more time listening as we do providing ideas and analysis for improvement. There is no “one-size-fits-all approach” with Weatherford Petroleum Consultants because we know that each client is different and within each client’s organisation there are different methodologies, cultures, and structures that need to be considered.

With the goal of growing profits, we partner with you to accomplish specific partial or completely outsourced projects in exploration, field development, and production optimisation. Rather than take on a task and return with our solution, we take a collaborative approach that involves regular communication along the planning and implementation stages.

The worldwide reach of Weatherford, coupled with our consultants who have expertise in exploration, development, and production, creates a responsive team that provides the speed and accuracy in upstream consulting with minimal disruption to your organisation throughout the process. Weatherford consulting customers around the world have become long-term clients on multiple projects because they discovered the positive price-benefit ratio delivered by Weatherford.

Project Development

| Project Planning and Definition | | | Project Execution | | | |
|---------------------------------|-------------------|-----------------|------------------------|--------------------|--------------|------------|
| Concept development | | | Engineering | | Construction | |
| Feasibility studies | Screening studies | Concept studies | FEED (pre-engineering) | Detail engineering | Construction | Completion |



Features, Advantages and Benefits

At Weatherford Petroleum Consultants we work with you to increase your reserves and optimise your production.

- Reduced CAPEX/OPEX cost
- Faster progress in field development work
- Extended workforce and office space
- Rapidly mature assets up to a level of commercial decisions
- Reduce pressure on internal software licenses
- Transfer project knowledge back into your organisation

Additional Services

Weatherford Petroleum Consultants offers a range of services that support and augment exploration and production work flows:

- Development of subsurface digital database for a field or an asset portfolio
- Tariff issues related to renting pipeline and processing capability
- Development of software tools designed to solve specific problems
- Due diligence, expert witness, independent arbitration
- Development of software application interfaces to reduce data transfer bottlenecks

Products

The company also develops software tools for upstream services.

Sendra™, a Windows® based application used by more than 30 oil companies, institutes, and universities worldwide, is a core flow simulator for simulation of special core analysis (SCAL) experiments and determination of relative permeabilities and capillary pressure.



Applications

- **Exploration**
 - Regional exploration
 - Additional reserves near existing fields
 - Prospect identification and risk assessment
 - Reserve development scenarios
 - AVO and lithology predictions
- **Field Development**
 - Fast track early phase screening studies
 - Plan for new field development and operation
 - Brownfield redevelopment
 - Static, dynamic, and economic data re-interpretation to prolong life of brownfields
 - Exploitation strategy definition using integrated surface and subsurface models
 - Sandstone-carbonate, greenfield-brownfield, offshore-onshore expertise
- **Production Optimisation**
 - Daily production optimisation
 - Field tie-in planning
 - Production allocation
 - Artificial lift redesign to increase production
 - Network modeling from reservoir to surface facility
 - Production optimisation analysis for wells, fields, or clusters
 - IOR and EOR studies



Weatherford Petroleum Consultants

Worldwide oil and gas technology and service company

Learn how Weatherford Petroleum Consultants can help increase your reserves and optimise your production. Contact one of our authorized representatives or visit **wftpc.com**.



Weatherford[®]

Weatherford Petroleum Consultants AS

Stiklestadveien 1
7041 Trondheim
Norway
Tel: +47 40 00 19 15
Fax: +47 73 53 11 21

wftpc.com

© 2010 Weatherford. All rights reserved. **7589.00**

Weatherford products and services are subject to the Company's standard terms and conditions, available on request or at weatherford.com. For more information contact an authorized Weatherford representative. Unless noted otherwise, trademarks and service marks herein are the property of Weatherford. Specifications are subject to change without notice. Weatherford sells its products and services in accordance with the terms and conditions set forth in the applicable contract between Weatherford and the client.