The fastest route between understanding your discovery and the cash flow

Production Systems
Production Systems
Fast, cost-effective solutions that bridge the gap between discovery and profitable production.

EXTENDED WELL TESTING, EARLY PRODUCTION, PRODUCTION SUPPORT, AND MARGINAL FIELDS PRODUCTION SYSTEMS
Halliburton’s Modular Production Systems with their flexible “plug-and-play” designs offer relevant time- and cost-saving advantages:

**Shorter Design Cycles** — Customizing a Modular Production System to meet your specific requirements usually is a matter of combining existing predesigned modules.

**Simplified Transportation Requirements** — Each module is sized as a standard ISO container, thus minimizing the need for costly special transportation and handling equipment.

**Fast On-Site Assembly** — All piping and instrumentation wiring interconnects from module to module. The time and costs involved in fabricating special runs on site are eliminated. A typical standard Halliburton Modular Production System can be installed and commissioned within 30 days of arriving at a site.

**Compact** — A typical standard Halliburton Modular Production System occupies a footprint of only 24 ft × 40 ft (7.3 m × 12.2 m), approximately half the size of a typical offshore drilling unit’s pipe deck. This is an especially important consideration when location or deck space is at a premium.

**Shorter Training Cycles** — Due to the standardized designs of Halliburton Modular Production Systems operating personnel do not have to learn different processes and systems each time they are assigned a project.

**Shorter Certification Cycles** — In many cases, Halliburton Modular Production Systems have already been certified for other installations by safety and environmental agencies.

**Faster Mobilization** — Typical existing Halliburton Modular Production Systems can be mobilized within weeks, providing opportunities for significant time savings.

**GENERATE CASH FLOW WHILE YOU EVALUATE**
During the flow period through an Early Production System (EPS) a very large volume of information is obtained that can help determine the reservoir size, complexity and overall behavior of the reservoir asset.

Early Production Systems allow you to analyze the information obtained for future field development, infrastructure design, and further asset optimization. Early Production Systems also generate instant cash flow, which can help support future field development plans for your asset.
COVER THE TIME BETWEEN DISCOVERY AND PLATFORM EVALUATION

With Halliburton Modular Production Systems you can begin producing the field even before you have finalized the platform or installation design. With Halliburton Modular Production Systems you also receive the operational efficiencies of a permanent production system, as well as the mobility and ease of setup of a modular system.

PRODUCE PUDDLES PROFITABLY

Marginal, remote located fields that cannot be produced profitably with permanent processing equipment and support facilities are prime candidates for Halliburton Modular Production Systems. Engineering and design costs can be reduced, and the need for capital intensive permanent equipment can be reduced or even eliminated.

SUPPORTS PRODUCTION ENHANCEMENT

For offshore mature fields with some wells producing with a well head pressure lower than the pipeline pressure or with a high percentage of water or gas, Halliburton Modular Production Systems offer simple modular low-pressure systems, which allow these wells to flow and extend their production life. They also allow water to be separated and conditioned for disposal or reinjection.

FLEXIBLE PROCESS DESIGN TO MEET CHANGING CONDITIONS

With its designed-in flexibility, Halliburton’s Modular Production Systems efficiently accommodate a broad range of operating environments and production requirements, as well as changing conditions usually encountered when producing new fields.

Halliburton’s Modular Production Systems are designed and easily adaptable for operations from:
- Jack-up drilling unit conversions
- Semisubmersible conversions
- Fixed platform applications
- Swamp barge applications
- Desert, arctic, and jungle locations

Halliburton plug-in modules are available to meet unusual requirements. For example, water clean-up modules can be added to efficiently handle high water cuts. The modules, which use advanced hydroclone technology or specific water filtration units, can reduce free oil in discharged water to 15 ppm or less, well within the strictest regulatory requirements.

If sand production is expected or becomes a problem, Halliburton Wellhead Desander modules, sand filters, or 4-phase separators can remove these solids from the production stream, preventing equipment damage and allowing higher production rates.

Halliburton also designs Modular Production Systems to meet highly specialized requirements, such as systems capable of producing heavy crude of less than 14° API, or systems to process extreme viscous crudes with serious emulsion and foaming tendencies. Another system is handling efficient process operations while subject to the severe motions and accelerations associated with a small offshore vessel.

COMMERCIALIZATION OPTIONS AS WELL ENGINEERED AS OUR MODULAR PRODUCTION SYSTEMS

It’s simple: we work as hard at structuring the commercial terms as we do at designing your modular production system. As a result, you’ll have a Modular Production System that makes sense economically and technically.
Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.