Transcend
A full range of openhole sand management services
Multiple Options, Wide Range of Choices
The broad Schlumberger offering for openhole sand control provides multiple options and gives you a wide range of choices for each scenario that you face. From simple, conventional completions to complex multizone wells, you can be confident of meeting your sand control objectives anywhere, every time.

Screens and inflow control devices
Screens, one of the main elements of sand control completions, are specially designed to block formation sand while allowing formation fluids to be produced. In combination with inflow control devices, screens can be used to control production throughout an openhole section, particularly in long, horizontal completions. Correctly applied, these devices help ensure uniform production and eliminate water coning, which can reduce a well’s productive life. The broad Schlumberger sand screen portfolio includes robust sand screens for stand-alone frac-pack and gravel-pack applications, as well as inflow and injection control devices for producer and injection wells.

AquaPac integrated water-packing system
Water packing has become the most widely accepted method of gravel packing openhole completions. The Schlumberger AquaPac* integrated water-packing system is based on years of experience and expertise in fluids and tool technologies. The process requires thorough preparation and meticulous implementation to ensure success. The entire cycle—design, execution, and evaluation—is supported by software with integrated modules for tool and pumping calculations, simulations, and optimal treatment in both vertical and horizontal wells.

OptiPac Alternate Path gravel-packing system
The OptiPac* Alternate Path gravel-packing system is designed to overcome the challenges of long, horizontal intervals and multiple-zone completions. The Alternate Path system with shunt tube technology is the optimum choice for openhole gravel-pack completions in extreme conditions, including formations with low fracture gradients and highly reactive shale environments. Schlumberger has the longest and most extensive track record with Alternate Path systems in openhole completions. Among the most recent offerings are innovative technologies and techniques for zonal isolation and control.

IntelliPac distributed temperature measurements in real time
Detailed measurements in real time—an important component of reservoir management—help identify changes that occur to the reservoir as a well is produced. IntelliPac fiber optics for openhole screens provide distributed temperature measurements in real time. The data help identify critical changes in the reservoir, such as premature water and gas breakthrough, enabling timely reservoir management. Quickly recognizing and reacting to these reservoir changes is necessary for maximizing well performance over time. IntelliPac fiber-optics for openhole screens are compatible with Extractor* wire-wrapped, Endure* premium sintered mesh, and OptiPac Alternate Path screens.
Along with this growing market come challenges related to complex environments. Deepwater developments, unconsolidated sands, and unstable formations with reactive shales create difficulties related to gravel packs that require creative solutions.

The Transcend* family of openhole sand management services meets these challenges through its full, flexible portfolio of highly reliable instruments that facilitate reservoir management and prolong the life of the completion.

These diverse technologies—screens, inflow and injection control devices, an integrated water-packing system, Alternate Path† gravel-packing systems, and reservoir distributed temperature measurements obtained in real time—will give you the flexibility you need to resolve your sand control challenges. With our comprehensive services and technical expertise, we can help you prevent sand production and maximize productivity and hydrocarbon recovery.

Fueled by the evolution in drilling techniques and the increasing number of longer, highly deviated, and horizontal wells, the need has grown for sand control technologies that can accommodate any type of openhole completion, anywhere in the world.
With Schlumberger expertise and our comprehensive services and products, you can prevent sand production, maximize hydrocarbon production and recovery, and optimize completion performance for the life of the well.

**OPENHOLE SAND CONTROL APPLICATIONS**
- Openhole wells
- Wells in unconsolidated formations with sanding problems
- Offshore and land field developments
- High-rate producer wells
- Injection and storage wells

**Comprehensive approach to sand control**
Schlumberger tackles openhole environments with an engineering-driven, total-system approach that features the tools, fluid chemistries, technologies, software, services, and people needed to extend the life of long, horizontal intervals and to optimize production.

With the Transcend family of services and products, we can help you design your sand control treatments with precision, mitigate risks up front, preserve the integrity of your completion, and optimize reservoir recovery.
The Transcend family of sand management services for openhole completions is supported by Schlumberger dedicated experts worldwide who understand the countries, regions, and formations where your projects are located.

With our extensive portfolio of services and products and multidisciplinary industry expertise, we will help you tailor your openhole completions to achieve effective sand control for the life of your well and reservoir and to maximize the performance of your completion.

Contact Schlumberger today.

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- AquaPac integrated water-packing system
- OptiPac Alternate Path gravel-packing system
- IntelliPac distributed temperature measurements in real time