

## PERFORATION SERVICES

<b>CONNEX™</b>	<b>Perforating Charge</b>
<b>XLS</b>	<b>Extra Low Swell</b>
<b>XEH</b>	<b>Extra Entry Hole</b>
<b>D</b>	<b>System qualified for shooting dry</b>
<b>F</b>	<b>System must be shot in fluid</b>

**CONNEX™** perforating products are rewriting the perforating book by delivering unprecedented tunnel performance without the need for expensive underbalanced or cleanup operations.

The **CONNEX™** perforating products generates a secondary reaction in the perforation tunnel thanks to proprietary liner metallurgy and charge design. The technology was developed under license from QinetiQ with the vision and support of Shell.

**CONNEX™** perforating delivers debris-free tunnels with no crushed zone, even in low quality rock and with no need for significant under balance when perforating. Depth of penetration is comparable to leading deep-penetrating charges.

Since the external profiles of **CONNEX™** charges are identical to conventional products, they can be developed in existing hardware, following standard operation procedures.

The **CONNEX™** family of products is the first to be entirely developed and optimized for flow performance, using all natural rock targets.

Testing in **GEODynamics'** flow laboratory under representative stress and pressure conditions shows perforations shot with **CONNEX™** charges can deliver more than 40% greater flow than those shot with leading conventional charges.