

**GE Oil & Gas
Chuck Chauviere
GM Drilling Platform**

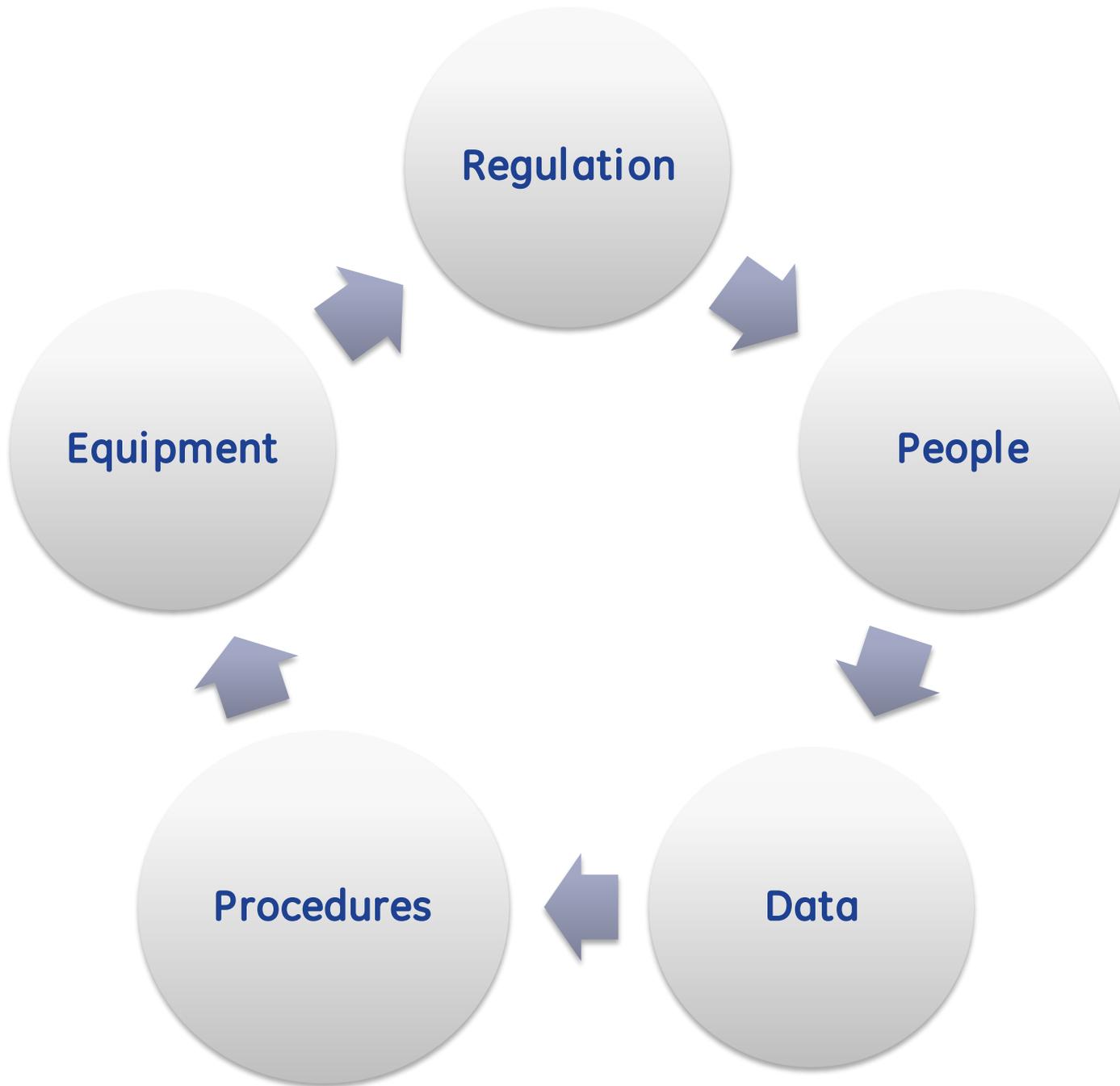
What new design requirements are needed to provide assurance that BOPs will cut and seal effectively under:

- foreseeable
- operating conditions

Definition of FORESEEABLE



- 1 : being such as may be reasonably anticipated <*foreseeable* problems>
- 2 : lying within the range for which forecasts are possible <in the *foreseeable* future>



Subsea Field Example

Riser

Subsea Processing

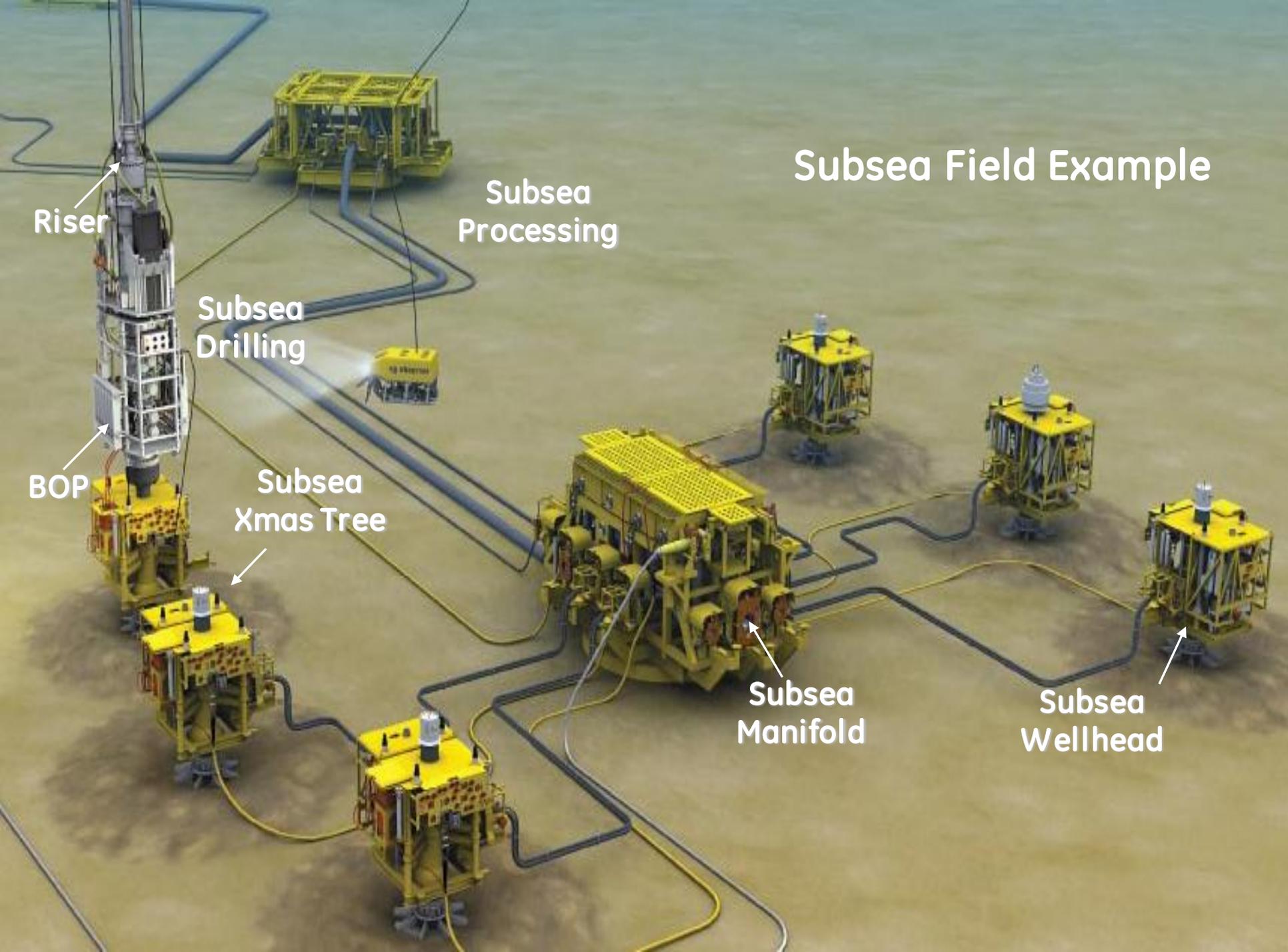
Subsea Drilling

BOP

Subsea Xmas Tree

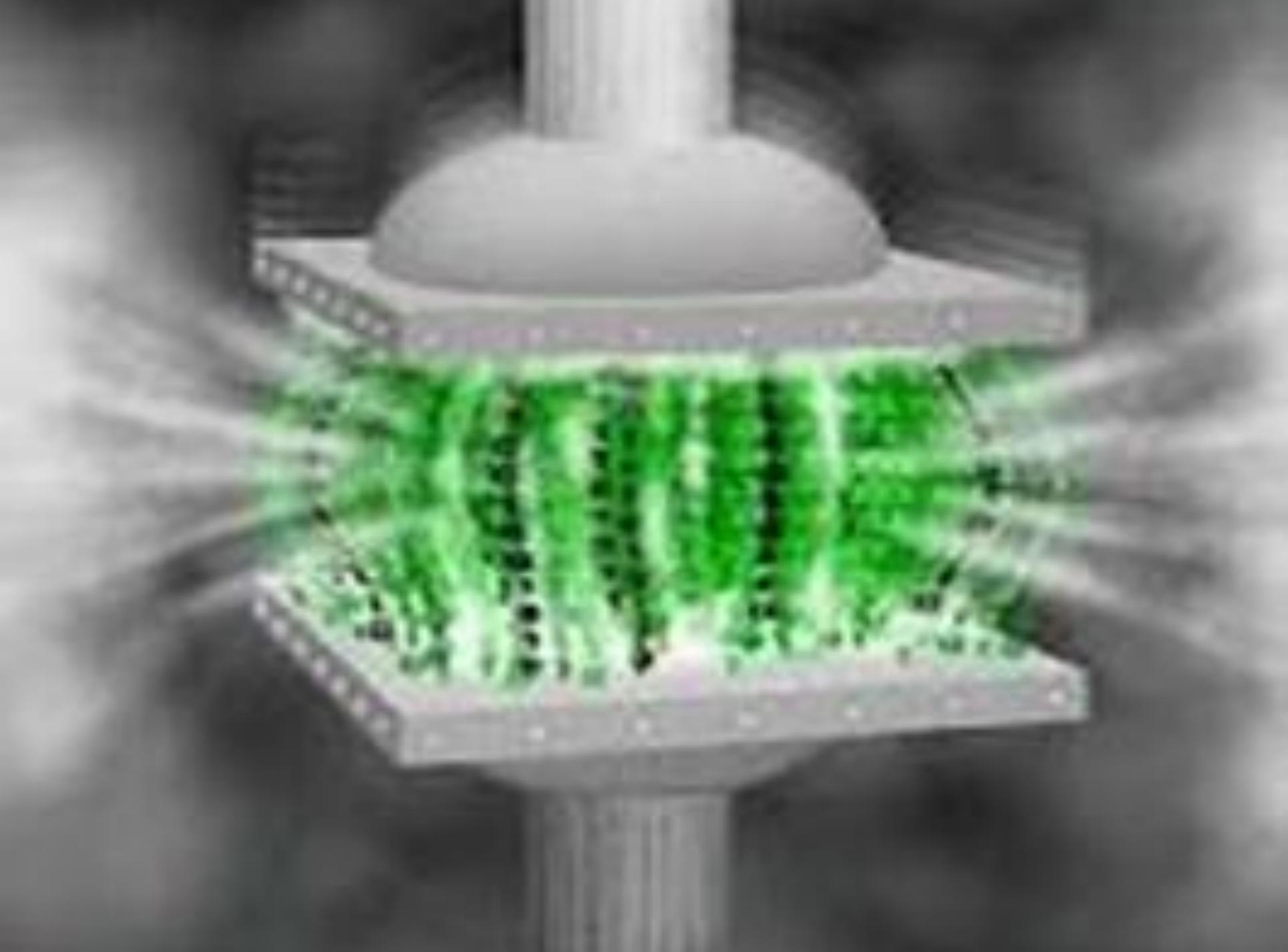
Subsea Manifold

Subsea Wellhead













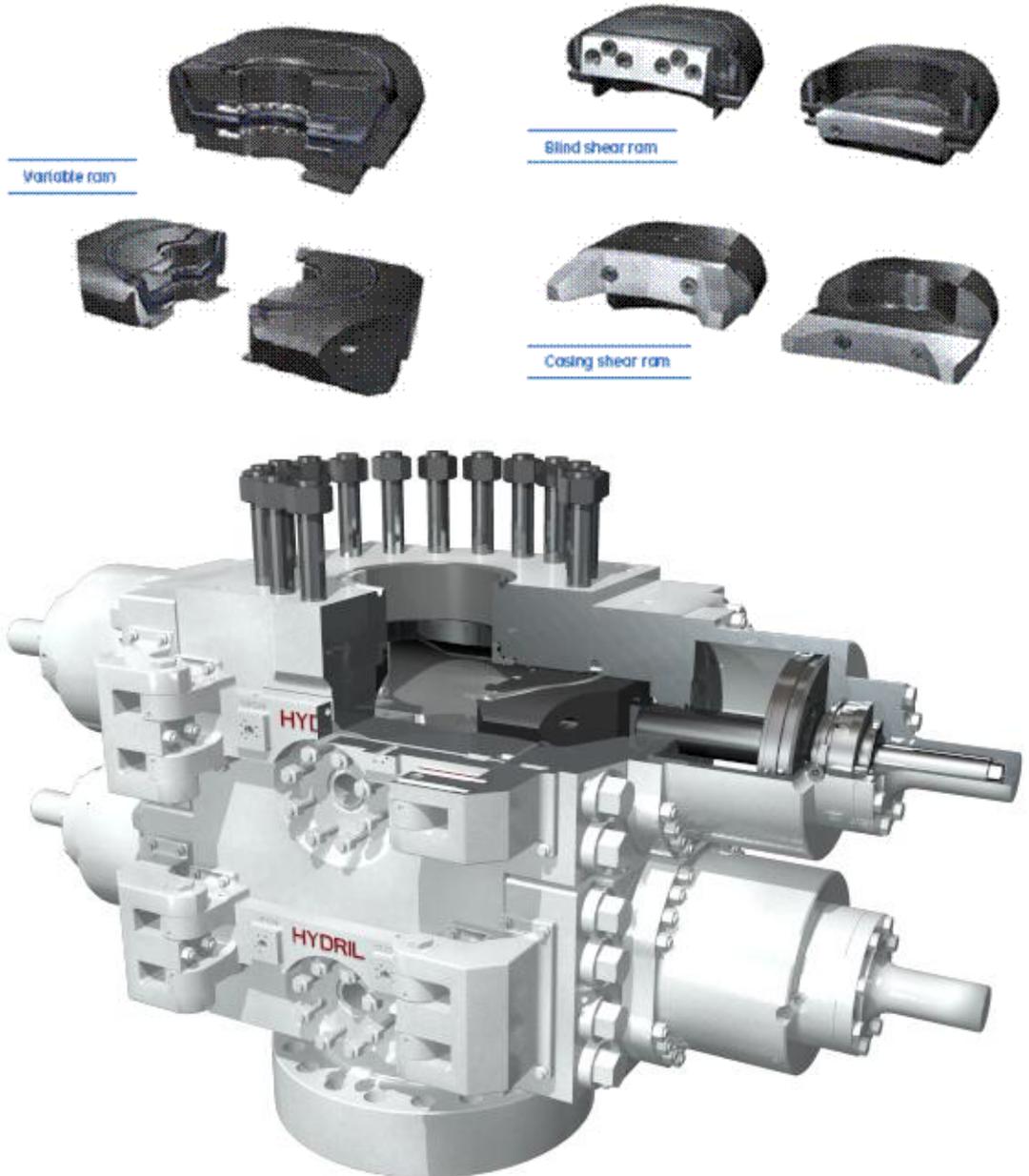


Typical Emergency Disconnect Sequence (EDS)



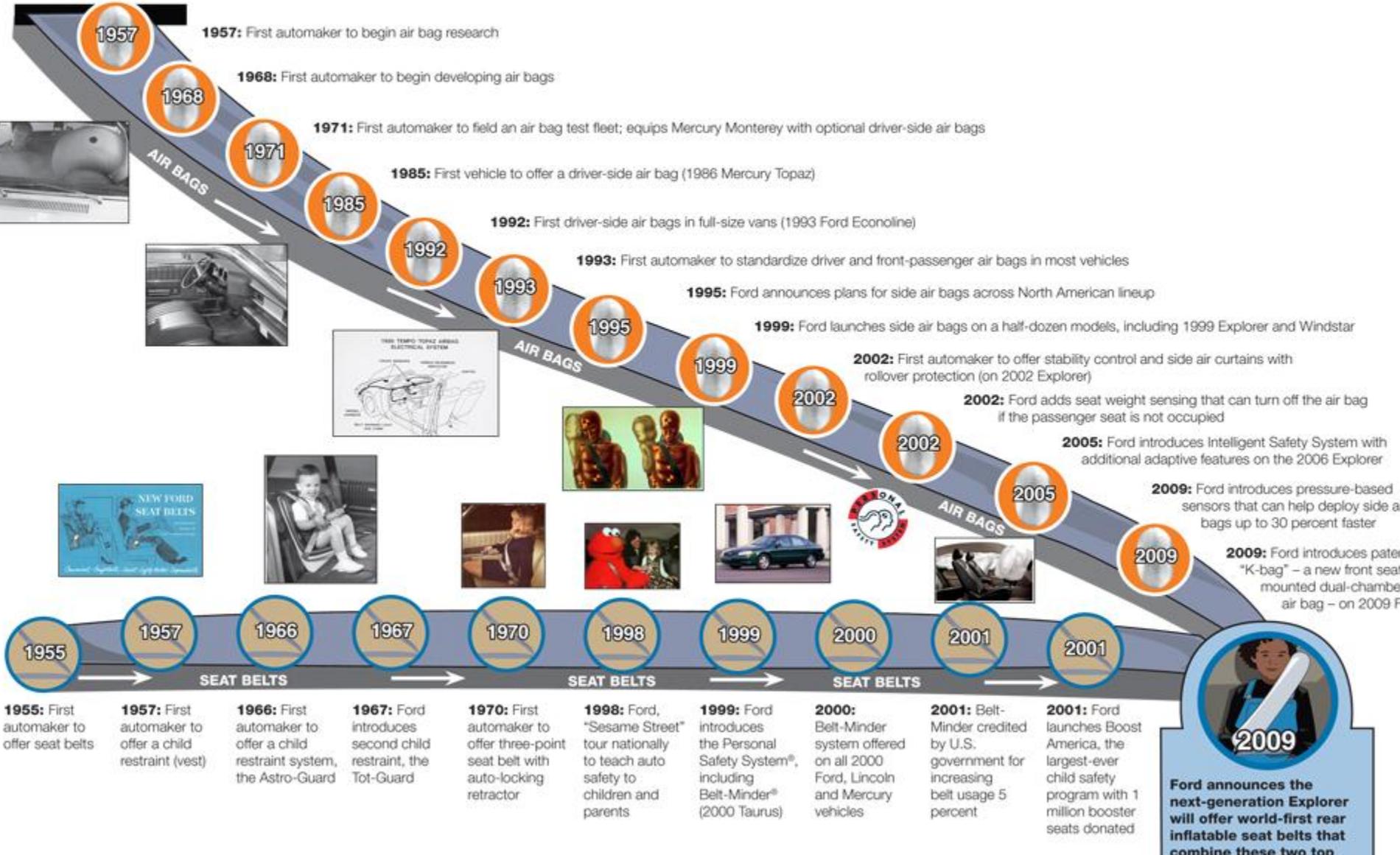


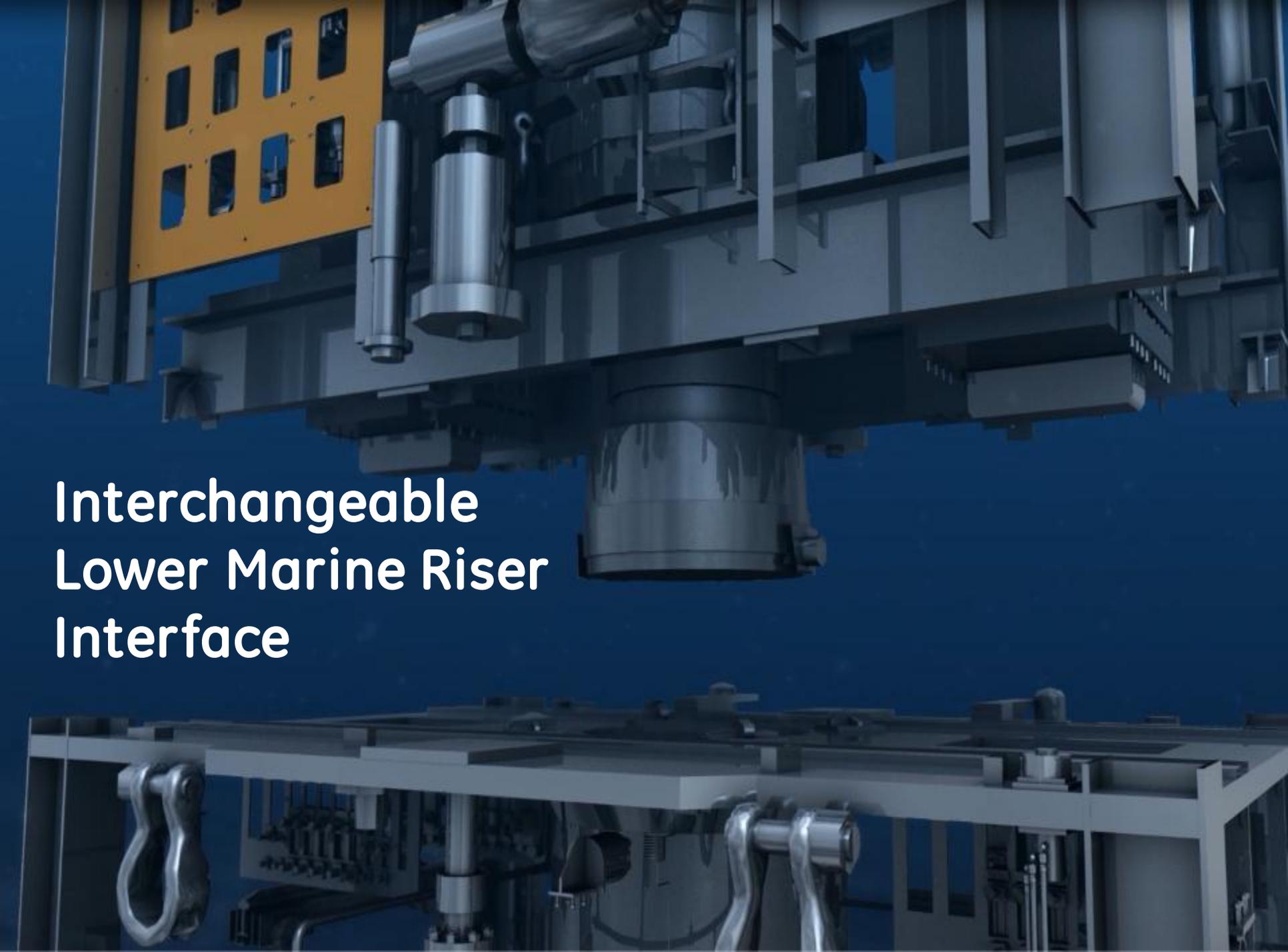
Annular Blowout Preventer





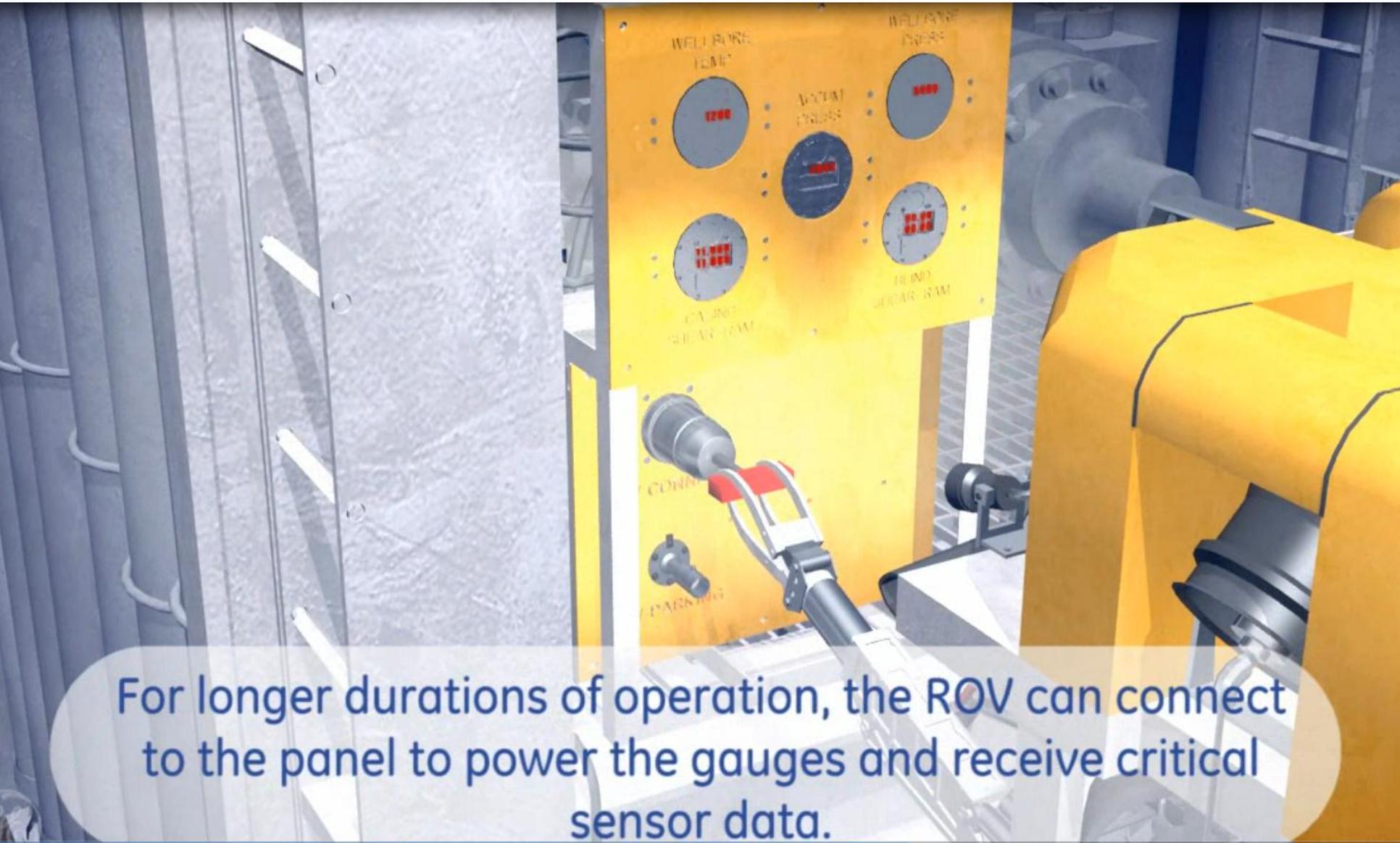
Ford's Air Bag and Seat Belt Technology Leadership





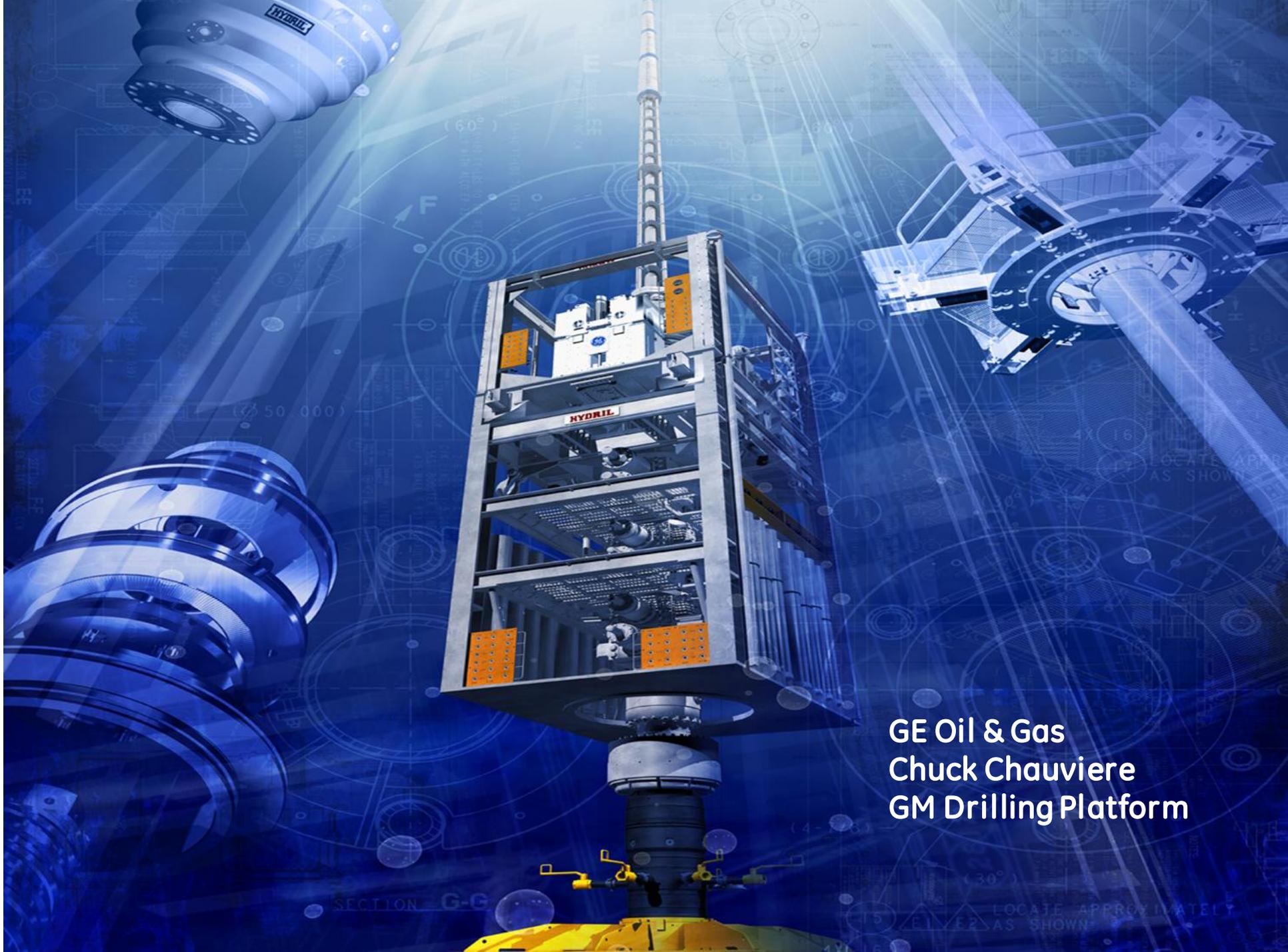
**Interchangeable
Lower Marine Riser
Interface**

ROV Data Display



For longer durations of operation, the ROV can connect to the panel to power the gauges and receive critical sensor data.





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