

Project Risk Assessment Matrix

Consequences						Likelihood				
People	Environment	Economic	Assets	Reputation	Severity	A <i>Rare</i>	B <i>Unlikely</i>	C <i>Possible</i>	D <i>Likely</i>	E <i>Almost Certain</i>
No Injury or Health Effect	No Effect	Less than 1% of Budget	No Damage	No Impact	0					
Slight Injury or Health Effect	Slight Effect	1% to 5% of Budget	Slight Damage	Slight Impact	1 <i>Insignificant</i>					
Minor Injury or Health Effect	Minor Effect	5% to 10% of Budget	Minor Damage	Minor Impact	2 <i>Negligible</i>					
Major Injury or Health Effect	Moderate Effect	10% to 20% of Budget	Moderate Damage	Moderate Impact	3 <i>Moderate</i>					
Single Fatality or Multiple Major Injury	Major Effect	20% to 30% of Budget	Major Damage	Major Impact	4 <i>Extensive</i>					
Multiple Fatalities	Massive Effect	More than 30% of Budget	Complete Loss of Asset	Massive Impact	5 <i>Significant</i>					

Adapted from "Controlling Health Risks at Work: A roadmap to Health Risk Assessment in the oil and gas industry" published by the IPIECA in conjunction with the International Association of Oil & Gas Producers

Managed Temperature Drilling™ Solutions & Recommendations

- Planning & Well Design**
- ✓ Well Plan Design & Engineering Collaboration
 - ✓ Thermohydraulic Modeling
 - ✓ On-Site Temperature Risk Evaluation & Training

- Surface Temperature Control**
- ✓ Freshwater Geo-Cooler™
 - ✓ FX Seawater Geo-Cooler™
 - ✓ GCFX Geo-Chiller™
 - ✓ Direct Wellcontrol Equipment Cooling
 - ✓ MPD / MTD Integrated System

- Wellbore Temperature Control**
- ✓ Freshwater Geo-Cooler™
 - ✓ FX Seawater Geo-Cooler™
 - ✓ GCFX Geo-Chiller™
 - ✓ Insulated Drill Pipe™
 - ✓ MPD / MTD™ Integrated System