

Network Innovation Competition Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	NGGTGN01	Question Number	17												
Question date	03 October 2013	Answer date	08 October 2013												
Submission section question relates to															
Topic															
Question	What new knowledge will the project generate beyond the trials of this technology in Slovakia and Alberta?														
Notes on question															
Answer	<p>The table below summarises what additional knowledge the VECTOR project will generate beyond that of the technology currently utilised in the Alberta and Slovakia applications.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr style="background-color: #d3d3d3;"> <th style="width: 25%;">KNOWLEDGE AREA</th> <th style="width: 20%;">ALBERTA (VIGV + Fixed Speed Project)</th> <th style="width: 20%;">SLOVAKIA (VIGV + Variable Speed Project)</th> <th style="width: 35%;">VECTOR (VIGV + Variable Speed Project)</th> </tr> </thead> <tbody> <tr> <td>Manual VIGV Actuation on Gas Compressor</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Manual VIGV Actuation + Variable Speed on Gas Compressor</td> <td style="text-align: center;">NO</td> <td style="text-align: center;">Yes <i>(not yet Operational)</i></td> <td style="text-align: center;">-</td> </tr> </tbody> </table>			KNOWLEDGE AREA	ALBERTA (VIGV + Fixed Speed Project)	SLOVAKIA (VIGV + Variable Speed Project)	VECTOR (VIGV + Variable Speed Project)	Manual VIGV Actuation on Gas Compressor	YES	YES	-	Manual VIGV Actuation + Variable Speed on Gas Compressor	NO	Yes <i>(not yet Operational)</i>	-
KNOWLEDGE AREA	ALBERTA (VIGV + Fixed Speed Project)	SLOVAKIA (VIGV + Variable Speed Project)	VECTOR (VIGV + Variable Speed Project)												
Manual VIGV Actuation on Gas Compressor	YES	YES	-												
Manual VIGV Actuation + Variable Speed on Gas Compressor	NO	Yes <i>(not yet Operational)</i>	-												

	Automatic (remotely operable) VIGV + Variable Speed Control on Gas Compressor	NO <i>(manual Operation only)</i>	NO <i>(manual Operation only)</i>	YES
	Multi-Position / Modulated VIGV Control	NO <i>(2 Position System Only)</i>	NO <i>(2 Position System Only)</i>	YES
	Two-Plane VIVG + Speed Control (+/- of 0°)	NO <i>(0° and +30° only)</i>	NO <i>(0° and +30° only)</i>	YES <i>(e.g. +45° to -15° to exploit maximum range)</i>
Attachments				
Verbal Clarifications (Consultants)				