

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	2
Question date	15 August 2013	Answer date	19 August 2013
Submission section question relates to	1.3		
Topic	Project Summary		
Question	Please explain how the learning from Rolls Royce RF3bb-42 VIGV used on their Alberta project is relevant to the submission.		
Notes on question			
Answer	<p>This Rolls Royce compressor was considered during the feasibility study. Rolls Royce provided the information which we have included in the full feasibility study report "Research Into Variable Envelope Compressors – Final Report".</p> <p>The Rolls Royce RF3BB42 compressor in Alberta uses Variable Inlet Guide Vanes (VIGV) as primary process control method and not in conjunction with speed control to increase the range of the envelope of operation. The VECTOR project is looking to utilise VIGV's in conjunction with speed control to increase the range of the envelope of operation.</p> <p>The primary learning which this application brings, concerns design and application of VIGV actuation on centrifugal pipeline compressors.</p>		
Attachments	-		

Verbal Clarifications (Consultants)	
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