

MoM – CBM

07 July 2015, Teleconference

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Chris Dagnall	DNV-GL
John Douglas	Frazer-Nash
Mario Ferrari	University of Genova
Peter Breuhaus	IRIS
Lodovico Menozzi	National Instruments
Christoforos Romesis	NTUA
Alex Alexiou	NTUA
Nikos Aretakis	NTUA
David Hemsley	Oxensis
Ambra Giovannelli	RO3
Herwart Hönen	RWTH Aachen
Gert Hoefakker	Shell
Jaap Otto	Shell
Giuseppe Ceschini	Siemens
Seth Muthuraman	SSE
Bernard Quoix	TOTAL

1. Discussion on CBM project

U. Simeoni welcomed the participants and reported that currently three GT Users would like to take part to the CBM project: Shell, SSE and TOTAL. He stated that it is crucial to understand how the tool proposed by NTUA could be integrated into their tools and on which WPs there may be cooperation.

S. Muthuraman asked for more technical information about the proposed CBM approach including modeling approaches and which type of data the GT User would need to provide. A. Alexiou and N. Aretakis explained more in detail the approach NTUA would like to use for the development of the new tool in line with the shared presentations.

B. Quoix pointed out that the main objectives should be to extend the lifetime of a GT without inspection and to increase the performance of the GT through CBM practice. He mentioned that 30% of gas turbine malfunctions could have been prevented, if an appropriate monitoring system existed. As an example he mentioned the case of compressor blades failure. B. Quoix also stressed the importance for a GT User to be independent by GT OEM in the GT operation management. The involvement of TOTAL into the CBM project would be in developing tools that, integrated in their system, could help in achieving the above mentioned objectives.

G. Ceschini highlighted that Siemens could cooperate in the CBM proposal also sharing data on the Siemens GTs if an agreement will be in place between Users and OEMs.

G. Hoefakker agreed with TOTAL on the objectives of the project and confirmed the interest of Shell in cooperating developing an open tool. The main topics of interest for Shell would be the coating degradation, the compressor washing optimization and the GT performance calculation.

C. Romesis proposed that each GT Users should send a description of the tools they would like to develop within the project and any IP issue related to it. This would allow him to elaborate the CBM proposal and the structure of the WPs based on the expertise of the partners involved. To review the

CBM proposal a teleconference would be set-up in September in order to have a more complete proposal to be presented at the ETN October workshop that will take place on 21-22 of October in Madrid.

Annex I: Action list

Action Owner	Description	Deadline date
S. Muthuraman	To send a description of the tools he would like to develop within the CBM project.	31 July 2015
G. Hoefakker	To send a description of the tools he would like to develop within the CBM project.	31 July 2015
B. Quoix	To send a description of the tools he would like to develop within the CBM project.	31 July 2015
C. Romesis	To draft a detailed description of the CBM proposal.	30 August 2015
U. Simeoni	To set up a teleconference about the CBM proposal.	15 September 2015