# Combined Cycle Asset Management Working Group Status Report Appling PRO Lite



The Combined Cycle Asset Management Working Group has met three times. These meetings identified common issues. There are several projects

underway within the participating companies. This Newsletter updates the status of these efforts.

# **Code of Conducts – the Guiding Documents**

Several of the companies have developed guiding documents intended to document Operating and Maintenance processes for the Combined Cycle Plants with their roles and responsibilities and technological infrastructure. It is expected that these documents will be in effect by the first of the year governing some 28 plants at their companies

#### Reliability Basis – Maintenance Strategy

Advanced HRSG Maintenance Strategy A detailed Monitoring and Inspection Plan for the HRSG has been developed to increase reliability while lowering costs. Although formulated with unique engineering principles, the M&IP is now being implemented.

CT/Gen Hot Gas Path Maintenance Strategy A significant effort has been made to document and optimize the maintenance strategy of the Hot Path of the CT. This work has been historically in the OEM. The idea here is to truly resource/economically optimize work on the Hot Path to address reliability and cost.



2	-				*****	-	100	-
-	mark.	780	Trent term 1 con anger	-	CONTRACTOR OF THE STREET OF TH		III. In the contrast of a second seco	
i	\$17,00.00 000	-	STATE SALE	1000	The same of a	Magazini Testa	Committee of the commit	201720
٠	200	2000	Total Control of the	-	Triple beinger process op grant the state of the state of the state state of the state of		C. C. Service and	- Tables
	Tong beauty	100	Same Termina Sample	-		Acres (All Control Control Control (All Control Operator) (All Control Control Operator)	m - nn in reger arms und med and med arms und	leen
	Sing brown	No.	The child though drawn or provided in the co- mission or opposite for reliant drawn for reliant drawn for the first	-	- mari carena - M Mila selenge (m. sel Mari al de mentras)		Constitution of the second	
	trong business Strong	702	Time and the	-	A Wall to be a second of the control			

<u>Demineralizer Maintenance Strategy</u> Similarly, the demin has been addressed to assure its reliability against cost.

# **Condition Management**

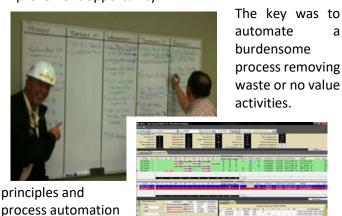
Condition Management was found to be a large gap in current practice. The majority of plants reported out that they do little, if any CBM work. All companies expressed interest in moving forward here. No work has yet to be accomplished by the participating plants.

#### **Operator Excellence**

Applying Lean technique to the Operations activity has yielded keen insights. Work has begun on creating process automation to the field identification of problems, creation of Work Orders, integration of all information including Operator Logs with the Lean Technology of Push Notifications that is, making sure people are given key inputs as decisions need to be made while raising awareness throughout the plant to developing conditions and situations

### Work Week Management

Combined Cycle Plants have very limited resources and must accomplish work effectively and efficiently. At some of the companies the Lean principles of Value Stream Analysis eliminating process waste has been applied together with process automation. The result has begun to show higher efficiencies in resource utilization. The projects discovered the need to reach consensus and commonality on the definitions through the process to create visibility, assure priority, and create learning improvement opportunity.



delivering a very efficient process for the organization with very limited resources.

# **Questions / Comments Contact**

appears to be

Please address questions to: Wayne Morgan at WMorgan@p-rosolutions.com

