# Meeting Minutes

Meeting Held: Aug 29, 2014

**Subject:** EPC Rotating Equipment Subcommittee Meeting

Minutes Published: Sept 4, 2014

Attendees:

| | | | |
|---|---|---|---|
| Peter Temofonte – Elliott Group | Brian Wadas - GE | | |
| Terryl Matthews - Shell | Kevin Kisor – Man Diesel & Turbo | | |
| Sherif Nossair – CB&I | | | |
| Hernan Zapata - Dow | | | |
| Bill Swinton – Dresser Rand | | | |

| Item No. | Report | Action Required By | Action Required Date |
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| 1 | Attendance List for Rotating subcommittee was passed. Brian volunteered to help make contact with some members to verify they still want copied or included in the invitations to upcoming meetings. See updated list attached. | BW | 09/26/14 |
| 2 | The current rotating subcommittee will hold its new officers for a two (2) year duration, spanning 2014 / 2015 and 2015 / 2016 sessions. At the end of 2016 session, Vice Chair and secretary will elevate to higher role and new secretary will be nominated.<br><br>Current officers are:<br>Chair: Peter Temofonte<br>Vice Chair: Brian Wadas<br>Secretary: *Need new nomination by next meeting.*<br>It is requested the AiCHE site be updated with the new chair and vice chair roles. | Info<br><br>PT | <br><br>9/26/14 |
| 3 | Questions for EPC Committee Director were posed:<br>a. Is there a theme for the 27th Annual April 2015 conference, how could we incorporate if so<br>b. Abstracts (high level) will be prepared for Sept meeting. We'll need input on deadlines for the 1500 word final papers and also the presentations, so to schedule review of these in upcoming meetings.<br>c. Is there a repository of the last 4 – 5 – 6 years worth of papers and presentations that can be passed to the new chair? M. Sicker may have these.<br>d. Can the date for the Rotating equipment subcommittee meeting during the April 2015 conference be set (will it be Monday April 27th)? What are ideas to maximize attendance for our sessions (do not compete with Furnace papers?)?<br>e. As one possible way to increase attendance in the meeting forum, possibly lead to more ideas to increase attendance in session was to set up webex based meetings to include a wider attendance especially for those not based in Houston. Does the committee see any problem with this?<br>f. Is there any advertising budget available to advertise our rotating committee papers (maybe turbomachinery magazine, other venue) in advance of the April 2015 conference?<br>g. Could we invite a block of students from major local engineering schools (UT, A&M) to the conference, offering free admission for say 50 - 100 from each school? | MT | 9/26/14 |
| 4 | Ideas for papers for the April 2015 seminar were discussed. The goal for our Sept meeting is to bring as many paper overviews (high level outlines) as possible, gear up to have 10 – 11 paper ideas to present, with the goal to finalize 8 total papers for the session.<br><br>A preliminary list of possible presentations discussed during August 2014 meeting include:<br><br>a. Keynote speech – effect of shale gas supply on market conditions and project pipeline for the upcoming years. This may be more a keynote for the conference than a session for the rotating equipment subcommittee.<br><br>b. DGS and the new API 692 (approach via a seal vendor)<br><br>c. Overview of key selection and design criteria that effect major equipment design | <br><br><br><br>Open<br><br>TM<br>HZ | 9/26/14 |

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| | d. Increase of size of steam turbines and ethylene plant size, considerations on when machinery selection and plant size increase diverge. | Open | |
| | e. Field rerate case study – Williams Geismar – Inclusion of gear into existing train design. | SN | |
| | f. Consideration of trapped volume of steam and effect of response time in large steam turbines. Industry specs versus common sense approach. | PT | |
| | g. Reduction of Fouling – Water and Oil Injection, trends, effects of feedstock changes | PT | |
| | h. Rerate overview, Aerodynamic, Mechanical, Efficiency considerations, trends. | PT | |
| | i. Ethylene plant turnaround overview: Planning, HSE, Execution | PT | |
| | j. Performance monitoring, field versus factory considerations | Open | |
| | k. Ethylene Derivatives – machinery considerations for equipment in derivative plants | BW | |
| | l. Other ideas – review next session after gaining insight into past papers given | TBD | |
| 5 | Follow up meetings for the 2014 / 2015 session were set in advance, for advance planning / scheduling purposes. Invitations will follow soon. Most all will follow an every 4th week scenario, with the exception of the December 2014 meeting, knowing holiday break will be upon most:<br><br>Sept 26 2014 — Man Diesel and Turbo will host<br>Oct 24 2014 — GE will host<br>Nov 21 2014 — DR will host<br>Dec 12 2014 — Shell will host — Target for final papers submitted<br>Jan 23 2015 — Host TBD — Target for final paper review<br>Feb 20 2014 — Host TBD — Target for final presentation review | | |
| 6 | | | |
| | **Ethylene Producers Committee**<br><br>**Anti-Trust Agreement**<br><br>No activity of the Committee shall involve the exchange, collection or dissemination among competitors of information, or be used for the purpose of bringing about or attempting to bring about any understanding or agreement, written or oral, formal or informal, express or implied, among competitors with regard to costs, prices or pricing methods, terms or conditions of sale, distribution, production quotas or other limitations, on either the timing, or volume of production, or sales, or allocation of territories or customers. | | |