

MINUTES OF THE BOARD MEETING 4 DECEMBER 2014, BRUSSELS, BELGIUM

Present:

Bernard Quoix, President (BQ)	TOTAL
Tomas Volks (TV)	MTU
Giovanni Cerri (GC)	University Roma TRE
Gary Lock (GL)	Frazer Nash Consultancy
Catherine Goy, Vice President (CG)	E.ON Technologies
Andy Williams (AW)	EthosEnergy
Pericles Pilidis (PP)	Cranfield University
Christer Björkqvist (CB)	ETN
Dominique Cornut (DC)	ETN

Apologies

Herwart Hönen, Treasurer (HH)	RWTH Aachen University
Robert Rijdsijk (RR)	Shell
Chris Lappee (CL)	Vattenfall

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Annex 1: Review of Action List from previous Board meetings

1. Welcome and opening of the Board meeting

B. Quoix opened the meeting and welcomed the Board members. R. Rijsdijk, H. Hönen and C. Lappee sent their apologies for not being able to join the Board meeting.

New nomination on the ETN Board

C. Björkqvist informed the Board about the recent internal reorganisation within Vattenfall, which resulted in the closing of its R&D department. Due to this restructure, C. Lappee's management has asked him to resign from his duties as Board member of ETN and to end Vattenfall's membership as of January 2016.

As a result, the Board discussed the nomination of a new candidate to replace C. Lappee until the next elections in 2016. Based on ETN's Internal Rules, which states among others that the Board should be composed of two representatives from the utility industry, the Board decided to approach Wim Broos, GDF SUEZ. The background to this decision was that GDF SUEZ is a major player both in Europe and the rest of the world and that Wim Broos would be a suitable candidate at the right management level within GDF SUEZ. In case Wim Broos would not be able to accept the Board's invitation, it was proposed to approach Enel as another global major player. C. Björkqvist informed the Board that Enel already hold a seat in the ETN Project Board where Sauro Pasini is a member. The Board suggested that if GDF SUEZ rejects the invitation, we should have an open discussion with Sauro Pasini to identify the most suitable candidate within ENEL.

The Board agreed that the ETN office should prepare an invitation letter to Wim Broos on behalf of the Board signed by B. Quoix and C. Björkqvist.

Action: CB to draft and send the invitation to Wim Broos on behalf of the Board.

2. Review and approval of the MoM, 9 July 2014

The Board unanimously approved the July Board meeting minutes.

3. Review and report of actions list from the MoM, 9 July 2014

The status of all actions is updated in the Annex. The following comments were added by the Board:

List of potential members: users (Affiliate members and Full members):

The ETN office distributed to the Board members present at the meeting a list of potential users and asked them to complete any missing information and to provide the ETN office with additional user companies/contact persons not included in the list.

Action: The Board to fill-in and add missing information on the list of users provided by the ETN office (i.e. user companies/contact persons not included in the list).

Briefing paper on high energy prices in Europe

At the last Board meeting, C. Björkqvist was asked to assess the benefits for ETN to draft a briefing paper on how the gas turbines' development could have a positive impact on reducing the high energy prices in Europe. After consultations with several experts, C. Björkqvist reported that it would be difficult to give the right angle to the paper and that the high energy prices are mostly caused by high taxation in the individual Member States. The motivation of such paper would be more for plant efficiency improvements in order to lobby at the European institutions. After a short discussion it was decided not to proceed with this action at the moment.

Membership Actions

RWE: C. Goy informed the Board that she is meeting a representative from RWE npower before Christmas and would discuss membership opportunities with him.

Mitsubishi: B. Quoix offered to take over C. Lappee's pending action of contacting Mitsubishi to discuss membership opportunities.

Rolls Wood Group: C. Björkqvist would follow-up with Rolls-Royce Wood Group.

MRO: T. Volks to contact MRO within the GKN Aerospace group to discuss membership opportunities.

Action: CG to discuss membership opportunities with RWE npower.

Action: BQ to contact Mitsubishi to discuss membership opportunities

Action: CB to contact Rolls-Royce Wood Group to discuss membership opportunities.

Action: TV to contact MRO within the GKN Aerospace group to discuss membership opportunities.

4. ETN Activities Update

The Board took note of the Activities Update, which was circulated ahead of the meeting by the ETN office. The following comments were added by the Board:

Medium Combustion Plant Directive (MCPD):

With regards to the MCPD under the Air Quality Directive, which is currently under preparation, C. Björkqvist informed the Board that so far, none of the ETN members had responded to ETN's outreach on this topic after the AGM.

C. Goy stated that she believes the MCPD could impact considerably some ETN members. C. Björkqvist reported that based on the positive feedback to the executive summary on the Large Combustion Plant Directive prepared by Roger Brandwood, ETN IED Chair, E.ON Technologies, he had asked R. Brandwood to prepare a similar executive summary on the MCPD drafting process to be circulated on the ETN platform. C. Björkqvist reiterated that ETN would take a more active role only if ETN members express a need and a specific request.

Action: ETN office to circulate the MCPD's executive summary, prepared by Roger Brandwood, ETN IED Committee Chair/E.ON Technologies on the ETN platform.

Outstanding payments:

Due to the high amount of outstanding payments for the AGM and the IGTC-14, the Board decided that in the future it will no longer be possible to attend ETN events if representatives have not paid or initiated the payment ahead of the event. If they show-up at the event with an outstanding registration fee, it was decided that they should be asked to show a proof of payment or pay via credit card/cash directly at the event. In the case they cannot pay upfront, they should not be allowed to attend the event. The Board also stressed that it should be clearly mentioned on the registration website that you can only secure your place at the event once the payment has been made. The Board agreed that this new rule should be presented to ETN members at the next AGM.

Action: ETN to implement the new payment rule for the next AGM.

5. Dinner Debate – Outcomes and Actions

C. Björkqvist mentioned that over 70 participants joined the event from 17 countries (13 from Europe, two from Asia, one from North America and one from South America), but that there was a low turnout from Members of the European Parliament (MEPs). Only three MEPs attended but two left after the cocktail reception. C. Björkqvist stressed that even though MEP assistants participated to the Dinner Debate, they do not actively contribute to the debate. With regards to the European Commission (EC), seven participants were present out of 10 registered. However, a balance was missing as a majority of the EC representatives came from DG Research where the focus is on renewables.

The Board agreed that the idea to organise such an event is good as it is an attractive high level event and it allows ETN members to have a direct discussion with the EU institutions. However the dinner debate should only be organised if we can ensure a wider participation from the EC and EP. Due to the low turnout from the EC and EP, the Board was not convinced that such debate should still be organised in the future. The Board proposed to cooperate further with the EC by involving some high level policy-makers on the topics of the agenda. C. Björkqvist proposed to contact Mechthild Wörsdörfer, Head of Unit of Energy Policy, EC to see whether she would be interested in cooperating further with ETN, and perhaps even co-organise the Dinner Debate in 2016. The Board decided that if Mechthild Wörsdörfer can get an internal approval for a joint Dinner Debate, the event should take place. If not, ETN's Dinner Debate would be cancelled. The Board also suggested as an alternative to have a yearly briefing for the EC on the gas turbine industry and that this should be considered further in the future.

Action: CB to follow-up with Mechthild Wörsdörfer, EC in order to get her feedback from the IGTC and to propose a joint Dinner Debate in 2016.

6. Review of the 7th International Gas Turbine Conference 2014

C. Björkqvist summarised the IGTC-14 which attracted 163 participants from 21 countries. The Board members who attended the IGTC-14 agreed that the event was a great success and the best IGTC so far. However, it was mentioned that the exhibition was too small and did not trigger many visits. B. Quoix stated that it would have been better if the exhibition could take place in the coffee area where the breaks are taking place, given that the hotel for IGTC-16 would have the capacity to do it.

A. Williams asked what the EC is doing with the information given at the IGTC-14 and suggested ETN to follow-up with them. G. Lock proposed ETN to make some presentations for them in order to provide policy-makers with key messages from the industry. C. Björkqvist said that when he will follow-up on this matter with Mechthild Wörsdörfer, he will discuss the IGTC-14 as well.

C. Björkqvist also presented the results of the survey circulated online after the event. Out of the 24 completed survey received, the majority of the comment were either excellent or good. The ETN office will take into account all comments received in order to improve for future events.

7. High Level User Meeting – Outcomes and Actions

C. Björkqvist informed the Board that 17 persons joined the meeting from 13 organisations and presented to the Board the key outcomes of the meeting. On the proposal to "*Develop ETN guidelines for preservation of CCGT*", C. Goy mentioned that a study had been made by ETD on this subject. She would follow-up with Michael Denève from Laborelec as he has a contact within ETD Consulting.

Action: CG to follow-up with Michael Denève from Laborelec on the outcome of the study made by ETD Consulting on *Guidelines for preservation of CCGT*.

8. Strengthening the user community

a) Strategy to increase the number of users (Affiliate members and European users)

The Board proposed to target key priority markets: Europe, Middle East, Asia (China) and South America (Brazil). T. Volks and B. Quoix both reported to have contacts with Petrobras and would coordinate for the best approach. T. Volks mentioned that he has also few contacts with Russian user companies and offered to contact them.

Action: TV and BQ to coordinate on the best approach to contact Petrobras, in order for them to join ETN.

Action: TV to contact Russian user companies to discuss membership opportunities.

Action: ETN office to prepare a template email for TV as well as the rest of the Board in order to invite user companies to join ETN.

b) ETN user questionnaire

C. Björkqvist informed the Board that the user questionnaire has been finalised and sent to the participants of the HLUM, as well as ETN user community. This should increase the flow of information to ETN's Technical Committees, and provide an opportunity to identify and pursue the issues that hurt the most from an economical perspective. Users outside the EU with whom C. Björkqvist had been in contact in the past (UAE companies, Petrobras, and companies in China) would also be contacted in order to convince them to join the ETN platform as well as to complete the user questionnaire.

Action: CB to send the user questionnaire to UAE companies, Petrobras and companies in China after his planned visits in January 2015.

c) Connecting with User Groups

GTUsers

C. Björkqvist introduced to the Board Yrjö Komokallio, who is the manager of GTUsers.com and organises independent user group meetings of specific gas turbines on behalf of the users (GE turbines: Frame 6FA, Frame 9FA/FB, Frame 9E, Frame 6B, LM6000. Alstom turbines: GT26. Siemens turbines: SGT5-4000F (V94.3A), SGT5-2000E (V94.2). Rolls Royce turbines: RB211, Trent). The set-up for the meetings is one day with users, one with suppliers and one with OEMs. Users are not only coming from Europe but from all key markets. He also mentioned that they had many industrial users and that the majority of users are using their engines for power generation. As such, it was agreed that ETN could help by bringing-in users from the oil & gas sector.

It was highlighted by G. Lock that currently, GTUsers raise problems on specific machines, share experiences among the user community and hope that the OEMs will fix the problems. He stated that ETN would add an additional dimension as ETN would provide the link to the R&D community as well as increase the pressure on the OEMs to provide a real solution.

After an internal discussion, the Board unanimously decided in favour for a partnership. The Board was convinced that a partnership with GTUsers would be a good opportunity for ETN, with mutual benefits for both parties. It was also highlighted that cooperation between ETN and GTUsers would send a strong message to the gas turbine community that ETN is strengthening the voice of the gas turbine user community.

The Board also noted that GTUsers could help ETN get more answers to the user questionnaire as Yrjö Komokallio proposed to disseminate ETN's user questionnaire to his

users and contacts. In return, ETN could include a section for GTUsers' news in the Quarterly Newsletter, which is circulated globally.

To initiate this cooperation, C. Björkqvist proposed to ask Yrjö Komokallio to be invited to the user groups meetings in order to present the ETN platform. After each meeting, the steering committee of each engine group should agree on a number of major issues that could be brought to the attention of ETN's Project Board and feed into ETN's Technical Committees. This could be done in a small report of one or two pages on each topic, which would also include indications of potential educational needs. The Board agreed that this would be a good approach.

As GTUsers' membership of the individual engine groups is free of charge for users with such an engine in operation, it was discussed and questioned if these users would be prepared to join ETN. Finally it was agreed that currently the most important is to increase the flow of information from the users and to have an opportunity to reach out to these users. It was also argued that if these users would like to participate in an ETN meeting, project or get the results from a project, study or report, they would need to become an ETN member.

Action: CB to follow-up with Yrjö Komokallio to agree on a plan and structure to initiate this cooperation between ETN and GTUsers.

Action: CB to circulate the proposed plan and a joint statement (press release) on ETN's partnership with GTUsers, to be approved by the Board before its publication.

GTUI

C. Björkqvist informed the Board about the history behind Gas Turbine Users International (GTUI) and asked the Board whether ETN should cooperate with GTUI or not. The Board believed that ETN should rather focus on the planned cooperation with GTUsers who is a European organisation. However it was still proposed to contact some individual GTUI Board members known to some ETN Board members in order to get a better view on their activities. If no specific promising opportunities are found, the Board suggested that no further cooperation efforts should be done with GTUI.

Action: PP to contact Mahmoud Sabban which is a current GTUI Board of Director and was a student at Cranfield.

d) Reaching out to promising markets

United Arab Emirates:

C. Björkqvist informed the Board about his meetings at ADIPEC in Abu Dhabi, United Arab Emirates where he met with representatives of several companies to discuss membership opportunities under the new Affiliated category. He met with the following companies: Abu Dhabi National Oil Company (ADNOC), Abu Dhabi Gas Industries (GASCO), Abu Dhabi Company for Onshore Oil Operations (ADCO), Abu Dhabi Gas Liquefaction Company (ADGAS), Abu Dhabi Marine Operating Company (ADMA OPCO), Mubadala Petroleum and Dolphine Energy. He informed the Board that the feedback received so far has been positive. He explained the cultural differences in the Middle East, where trust is key and a relationship must be developed over time in order for the representatives to receive management approval, no matter how small the membership cost might be. C. Björkqvist would therefore follow-up with these companies with personal meetings on the highest management level on 11-14 January 2015 in Abu Dhabi, United Arab Emirates, where he would reiterate the benefits and opportunities to be involved, present the user questionnaire and invite them to the AGM 2015 if they decide to join ETN.

Action: BQ to provide the contact details of Dolphin Energy to the ETN office.

China:

C. Björkqvist reported that he exchanged a series of emails with Professor Jiang after the IGTC-14. Professor Jiang then contacted several users in China to introduce them to the ETN platform. The feedback of these meetings has been positive and also resulted in more specific questions from these users regarding maintenance and operations. For this reason, Dick van den Vecht and C. Björkqvist have been invited to China on 22-27 January 2015 in order to have a closer look at the issues that the Chinese users are having and to find out their needs and requests in order to identify potential areas of cooperation. Several visits to power plants have been arranged as well as a two-day meeting with major Chinese utilities. A. Williams stated that we should be prepared for an intense meeting with lots of questions.

Action: BQ to contact Sino (Australia), which has some assets in China to discuss membership opportunities.

South America:

C. Björkqvist proposed to contact Maria Martin, Latin America Country Manager at EPRI to ask her if she could provide a list of user companies that ETN could invite as an Affiliate member. The Board agreed that both Brazil and Peru are key markets in South America so it could be worthwhile to follow-up on these countries.

Action: CB to contact Maria Martin from EPRI to ask for a list of user companies in South America.

Other cooperation:

C. Björkqvist informed the Board that cooperation already took place with other organisations like the US Department of Energy (DOE) and Ministry of Science and Technology of the People's Republic of China (MOST).

9. TC Chairpersons and Project Board meeting: Outcomes and Roadmap

C. Björkqvist informed the Board that the Project Board and the Technical Committees' Chairs/Co-Chair met on 25-26 November 2015. The objectives of the meeting were to reinforce the TCs and strengthen the interaction between the TCs and the Project Board. During the meeting, they aligned ongoing activities, discussed priority R&D topics for the future as well as decided on how to optimise the outcome of ETN's TCs.

One of the issues that the TC Chairs mentioned during the meeting was that quite a lot of effort was put on some users' issues in order to find project proposals or potential solutions. Once a project proposal was brought back to the users who brought the issue, they stated that they do not have management acceptance for the project. Another issue mentioned at the meeting was that some issues came from individuals and have not been verified before the start of the project.

It was also stressed at the meeting that they needed some new topics to feed ETN's TCs. A. Williams noted that the new user questionnaire will help bringing new ideas to the TCs.

10. ETN Finances 2014

In the absence of H. Hönen C. Björkqvist presented the current state of ETN finances and the planned budget for 2015. Some membership fees, IGTC-14 participation fees and sponsorship payments from the event are still outstanding. Even though the majority of these outstanding payments seem to be related to internal bureaucratic procedures at the respective companies and not a result of unwillingness to pay, it results in a lot of extra efforts for the ETN office.

C. Björkqvist reported that the year-end expected expenses would be in the order of 577.830,00 euros compared to the planned budget of 642.300,00 euros, which would then

result in a balance of 52.792,00 euros. Out of this expected surplus, 25.000 euros would be used for provision for 2015, as we would need to make up for the reduced income as the H₂-IGCC project ended in 2014. In the proposed budget for 2015, the costs have been reduced but still, an additional provision of around 25.000,00 euros would be required.

C. Björkqvist informed the Board that no news had been received from the European Commission on the two submitted projects on the Horizon 2020 calls (FlexGen and SOLFLEX). Therefore the income and the costs have not been taken into account in the planned budget for 2015.

C. Björkqvist stressed that if none of these projects would be accepted, we would need to find additional income in 2015/2016 through new projects, courses/workshops as well as an increase in user membership.

Finally, C. Björkqvist informed the Board that the ETN office had two audits in 2014: one for ETN's financial cost statements for the last two years of the H₂-IGCC project and a second one for the ETN office. Both audits were performed successfully without any negative findings.

The Board accepted the proposed budget proposal.

Action: HH and CB to bring-up the issues of late payments at the AGM and propose ways to address this.

Action: HH to adapt the budget if any of the EC proposals would be accepted.

11. Strategy and goals for 2015 and 2016

The Board agreed that the primary focus on the coming years should be to strengthen the voice of the users by bringing in more active users to the ETN platform. The objective with this would be to ensure that ETN would highlight and address the most critical issues.

C. Björkqvist reiterated that he believed that the expected outcome of the questionnaire as well as the cooperation with GTUsers could be very beneficial for ETN, as the steering committee of each gas turbine user group would bring a flow of information to ETN's Technical Committees, which could later be developed into new initiatives and projects either funded by the industry or public institutions. He proposed that the Project Board should identify five key topics out of the flow of user information for power generation and for oil and gas applications. These topics should be feed into ETN's Technical Committees. A. Williams suggested that C. Björkqvist should attend the next GTUsers meetings in order to have a better idea of how it works and how we could cooperate. The Board agreed to start cooperation based on a step-by-step approach and decided that a joint statement should be written on this cooperation and circulated globally.

The Board also agreed that the selected issues should be presented to the General Assembly at the upcoming AGM in April. Each Technical Committee would then need to evaluate what they could do to address these issues and set a roadmap up to the October Workshop (21-22 October 2015).

Action: CB to attend the next user groups meetings organised by Yrjö Komokallio.

12. Upcoming AGM, Workshop and Board meetings for 2015

C. Björkqvist informed the Board that ETN was looking for a sponsor(s) for the upcoming AGM which will take place in Dublin, Ireland. This AGM would also be ETN's 10th anniversary. B. Quoix proposed to ask Mitsubishi and Siemens to sponsor equally the event and suggested ETN to organise a site visit to the Energia Power Plant that have both Siemens and MHI engines. C. Björkqvist proposed that an alternative could be to ask Solar Turbines to be the sponsor and organise a site visit to the Guinness factory where they use Solar Turbines. For the Board meeting, C. Björkqvist would contact Niall O'Boyle, Mechanical Plant & Materials Manager, Generation Engineering, ESBI to ask if they could host this meeting in their premises. He would then also ask if they have a proposal for a suitable site visit.

Action: BQ/CB to contact Mitsubishi and Siemens to sponsor the AGM in Dublin or alternatively Solar Turbines.

Action: CB to contact Niall O'Boyle ESBI to ask if they could host the Board meeting and to ask for suggestions for site visits.

Name of Meeting	Date	Location
Board meeting	25 February 2015 8:00 – 16:00	Brussels
Board meeting (half day before the AGM)	21 April 2015 8:00 – 11:45	Dublin
AGM and Workshop	21-22 April 2015	Dublin
Board Meeting	1 July 2015	Brussels
ETN October Workshop	21-22 October 2015	TBC
Project Board and Chairpersons (TCs) Meeting	26-27 November 2015	Brussels

13. Closing of the Board meeting

B. Quoix closed the Board meeting and wished everyone happy holidays.

ACTION LIST

No	New Actions	Resp.	Date
1	The Board to fill in and add missing information on the list of users provided by the ETN office (i.e. user companies/contact persons not included in the list).	Board	Feb 2015
2	CG to discuss membership opportunities with RWE npower.	CG	Dec 2015
3	BQ to contact Mitsubishi to discuss membership opportunities	BQ	Feb 2015
4	CB to contact Rolls-Royce Wood Group to discuss membership opportunities.	CB	Feb 2015
5	TV to contact MRO within the GKN Aerospace group to discuss membership opportunities.	TV	Feb 2015
6	ETN office to circulate the MCPD's executive summary, prepared by Roger Brandwood, ETN IED Committee Chair/E.ON Technologies, on the ETN platform.	ETN office	Dec 2015
7	ETN office to implement the new payment rule for the next AGM (not possible to attend ETN events if no proof of payment).	ETN office	Apr 2015
8	CB to follow-up with Mechthild Wörsdörfer, EC in order to get her feedback from the IGTC and to propose a joint Dinner Debate in 2016.	CB	Mar 2015
9	CG to follow-up with Michael Denève from Laborelec on the outcome of the study made by ETD Consulting on <i>Guidelines for preservation of CCGT</i> .	CG	Feb 2015
10	TV and BQ to coordinate on the best approach to contact Petrobras, in order for them to join ETN.	TV, BQ	Feb 2015
11	TV to contact Russian user companies to discuss membership opportunities.	TV	Feb 2015
12	ETN office to prepare a template email for TV as well as the rest of the Board in order to invite user companies to join ETN.	ETN office	Jan 2015
13	CB to send the user questionnaire to UAE companies, Petrobras and companies in China after his planned visit in January 2015.	CB	Feb 2015
14	CB to follow-up with Yrjö Komokallio to agree on a plan and structure to initiate this cooperation between ETN and GTUsers.	CB	Jan 2015
15	CB to circulate the proposed plan and a joint statement (press release) on ETN's partnership with GTUsers, to be approved by the Board before its publication.	CB	Jan 2015
16	PP to contact Mahmoud Sabban which is a current GTUI Board of Director and was a student at Cranfield.	PP	Feb 2015
17	BQ to provide the contact details of Dolphin Energy to the ETN office.	BQ	Dec 2014
18	BQ to contact Sino (Australia), which has some assets in China to discuss membership opportunities.	BQ	Feb 2015
19	CB to contact Maria Martin from EPRI to ask for a list of user companies in South America.	CB	Feb 2015
20	HH and CB to bring-up the issues of late payments at the AGM and propose ways to address this.	HH, CB	Apr 2015
21	HH to adapt the budget if any of the EC proposals would be accepted.	HH	Feb 2015
22	CB to attend the next user groups meetings organised by Yrjö Komokallio.	CB	Feb 2015 -
23	BQ/CB to contact Mitsubishi and Siemens to sponsor the AGM	BQ, CB	Jan 2015

	in Dublin or alternatively Solar Turbines.		
24	CB to contact Niall O'Boyle ESBI to ask if they could host the Board meeting and to ask for suggestions for site visits.	CB	Jan 2015

ANNEX 1**STATUS OF ACTION LIST (from MoM July Board meeting, Brussels, Belgium)**

No	Actions	Outcome/Next action	Resp.
1	BQ to send documentation on the IED received by OGP as well as his contact person at OGP.	Done	BQ
2	CB to prepare a one-pager on the IED in time for the IGTC-14.	Done	CB
3	ETN to circulate the list of potential users (oil & gas and utilities) both in the European Economic Area or Switzerland and outside in order to invite them as an ETN member.	On-going	CB
4	AW to follow-up with EPRI in order to increase the number of Affiliate members.	Done	AW
5	CB to follow-up with Yrjö Komokallio to discuss further cooperation opportunities.	Done	CB
6	CB to explore different interactive options for users to post questions/issues (new page/section on the ETN website) to the ETN community	Deleted	CB
7	BQ to send feedback of the draft questionnaire to GL.	Done	BQ
8	GL to send the draft questionnaire to CG and CL for a utility review.	Done	GL
9	CG and CL to send feedback on the draft questionnaire to GL.	Done	CG/CL
10	CB to implement the final questionnaire into an e-questionnaire.	Done	CB
11	CB to contact Andre Mom to ask him to update the papers with input from Riti Singh and/or Dick van der Vecht.		CB
12	CB to explore the possibility to write a new briefing paper addressing the high energy prices in Europe, and highlighting how gas turbine research could have a positive impact.	Done It was decided not to follow-up on this action.	CB
13	CB to follow-up with potential MEPs and update the agenda of the Dinner Debate.	Done	CB
14	CB to secure a Chinese speaker from MOST for the Keynote session III.	Done	CB
15	CB to contact the Gas Turbine Society of Japan to find an alternative speaker, if no Chinese speaker would be secured.	Done	
16	The Board to send the ETN office a series of questions for the OEM panel discussion.	Done	Board
17	CB to identify one moderator from oil & gas company and one representative from a utility.	Done	CB
18	DC to make a list of all ETN industry members and indicate if they were a sponsor in 2010 or 2012.	Done	DC

PENDING ACTION LIST (from MoM February 2014 Board meeting)

No	Actions	Outcome / Next action	Resp.
1	CB to keep the Board informed on the cooperation opportunities with the <i>Gas Turbine Power Generation Special Committee (AGTPG)</i> and to circulate the contact details of AGTPG.	Done	CB
2	CB to explore the Fuel Quality Directive to see whether ETN should respond to the Directive.	Done The Board agreed that each organisation is to follow-up individually with their national bodies.	CB
3	CB to incorporate the final questionnaire into an online version.	Done	CB
4	CL to contact a representative from DNV GL Energy to see if they could provide some information on the impacts of the LCP Directive and maybe present this at the HLU meeting or be involved in the dinner debate.	Deleted	CL
5	BQ to send the contact details of Dominique Louveton (Wamar-France) to the ETN office. CB to send an email on membership payment to Nabil Barakat, copying M. Louveton and UK.	Deleted It was decided, due to the complexity of the situation, that no further payment will be required from Wamar.	CB
	CB to spread ETN reserves into different banks.	On-going. CB reported that the bank has to make a check-up on ETN and need 2 persons present to sign the papers. CB said that we could get some proxies and will keep the Board updated.	CB
	AW to follow-up with TransCanada, Shanahan and Rolls Wood Group.	Deleted	AW
	UK to follow up with GKN for membership in a meeting set to take place at the end of December 2013	On-going. TV will follow-up with Uwe Kaltwasser on the status of his action and will report to the next Board meeting.	TV
	UK to meet with Bo Pedersen of Maersk to discuss ETN membership.	On-going. TV will follow-up with Uwe Kaltwasser on the status of his action and will report to the next Board meeting.	TV