

## **Report on the 18<sup>th</sup> ANGVA Board Meeting**

The 18<sup>th</sup> ANGVA Board Meeting was successfully held from 9.30 a.m. to 11.20 a.m. on 15<sup>th</sup> Jan 2010 at PTT PLC Headquarter in Bangkok, Thailand. The meeting was the first for the new board for the term of 2010 – 2011. It was chaired by the new President of ANGVA, Mr. Wichai Pornkeratiwat, the Executive Vice President, Natural Gas Vehicles, Gas Business Unit, PTT Public Company Limited, and Thailand.

Board members present at the meeting were: Treasurer – Haikal Zubir (PETRONAS, Malaysia); Vice Presidents – Brenda Smith (Gas Advisor, Hong Kong), Danny Praditya (PT CNG, Indonesia), William Aw (Smart Energy, Singapore), Fazal Khan (LMF, UAE) and Secretary – Lee Giok Seng (ANGVA Secretariat, Malaysia). ANGVA members that were present as observers were: Weena T. Chaianum (PTT PLC, Thailand), Young S. Lee (ENK Co., Ltd, Korea), Zhang Zhongqiang & Lisa Cui (ShijiaZhuang Enric Gas Equipment Co., Ltd, China), Rizal Rahman (All Events Group, Singapore), Yin Win Thu (MNT, Myanmar), and Choi Seoung Gyu & Yulia Kim (Donghae City, Korea).



Board and ANGVA members present at the 18<sup>th</sup> Board Meeting, PTT PLC, Bangkok, Thailand.

Two major highlights of the meeting:

### **1.0 ANGVA 2009**

The final and closing report on ANGVA 2009 was presented by Mr. Choi from the ANGVA 2009 Organising Committee / Donghae City.

It was reported that 422 delegates from 32 countries attended the conference and 93 companies from 33 countries took up 2,430 sq m of exhibition space. A total of 1900 visitors from 31 countries visited the exhibition. Many good and positive feedbacks were received from delegates, exhibitors and visitors.

ANGVA Board unanimously passed a resolution thanking the Chairman of the ANGVA 2009 Organising Committee, Mayor Kim Hak-Gi and all members of the ANGVA Organising Committee and teams for the superb job in making ANGVA 2009 a very successful event.

## **2.0 Outcome of the ANGVA Strategic Plan Review Meeting**

The outcome of the review of the ANGVA Strategic Plan, which was conducted on 14th Jan 2010, 9.30 a.m – 6.00 p.m. at 23rd Floor, PTT PLC HQ, Bangkok, Thailand, was presented to the board for endorsement. The review was conducted by 10 members comprising of board members and ANGVA members.

The Board approved the formation of 5 committees to implement the reviewed strategic plan. The 5 new committees (replacing the previous 4 committees) are:

1. Membership Committee – Head: Haikal Zubir.
2. Marketing & Conference Committee – Head: Danny Praditya.
3. Training Committee – Head: Fazal Khan.
4. Technical Committee – Head: Brenda Smith.
5. ANGVA Green Highway 2011 Committee – Head: William Aw.

### **Visit to NGV Facilities**

To coincide with the 18<sup>th</sup> Board Meeting, visits to PTT NGV facilities were arranged by PTT. The visits were conducted in the afternoon of 15<sup>th</sup> Jan and on 16<sup>th</sup> Jan 2010. Visits were made to the following facilities:

#### **a. PTT NGV Logistics Management Centre at Rungsit, Bangkok.**

This Logistics Management Centre controls all the delivery of CNG trailers from all the mother stations to all the daughter stations. PTT currently has 1180 trailers, 18 mother stations and 281 daughter stations (PTT currently has 93 conventional stations).

It seemed that PTT is the world largest operator of mother – daughter stations. In operation are various types and sizes of CNG trailers including LNG tankers (for LCNG ferry boats with LNG supplied from a mini-LNG plant in Rayong).

#### **b. PTT NGV Super Mother Station at Lad Lum Keaw, Bangkok.**

This station is a very large mother station for the production of CNG for NGV station. The filling capacity of this mother station is 640 ton /day (250 trailers / day). There are 16 CNG compressors (11 electric motor driven and 5 gas engine driven) serving 30 trailer filling bays. A total of 160 trailers are operating from this mother station.

**c. PTT NGV Super Public Conventional Station at Barommaratchachnonanee Road Station, Bangkok.**

This station is serving both light duty and heavy duty CNG vehicles. It is located near the southern bus terminal and taxi terminal. There are 27 dispensers with 43 hoses. Production capacity is 230 ton / day. There are 8 CNG compressors installed at this station. The total land size of this station is 9,600 sq m.

Currently, the Guinness Book of Record's world largest CNG station in term of number of hoses is the Singapore Union Energy's Toh Tuck CNG Station in Singapore with 46 hoses and land size of 7,066 sq m.

**d. PTT NGV 'Neogas' Daughter Station at Nontaburi 1 Road, Nontaburi Province.**

Beside the conventional CNG trailers, PTT also operates the "Neogas Trailer" or "hydraulic trailer" supplying CNG to NGV daughter stations that are equipped with Hydraulic Pumping Unit (HPU) instead of CNG compressors to supply CNG to vehicles. PTT owns 70 Neogas trailers currently supplying 5 HPU daughter stations. PTT plans to have 15 HPU Daughter Station in 2010.

**e. LNG Facility for LCNG Passenger Boats at Family Transport (2002) Co., Ltd., on Ramkumheang Road, Bangkok.**

Utilising the LNG production from the mini-LNG plant in Rayong at the outskirt of Bangkok, PTT is supplying LNG to a 50 ton/day LNG refuelling facility (2 x 36,000 litre LNG storage tanks) equipped with a 100 litre/min LNG dispensing pump. This facility will initially serve 10 units of LCNG passenger boats plying the Chao Praya River in Bangkok. The LCNG passenger boats are expected to begin operation in the last week of Jan 2010. The original Cummins diesel engines on these boats were converted to dual fuel operation (DDF - CNG + Diesel). LNG is stored in LNG tank onboard the boat and a vaporiser is installed just after the LNG tank to vaporise LNG to CNG before being piped to the DDF engine.

ANGVA Secretariat would like to thank PTT PLC for the superb organisation, hosting and coordination of the 18th ANGVA Board Meeting (on 15th Jan), the ANGVA Strategic Plan Review Meeting (on 14th Jan), and the technical visits to NGV facilities (on 15th & 16th Jan). The Secretariat would also like to thank all board members and ANGVA members (observers) present at the meetings and visits.

The next board meeting (19<sup>th</sup> Board Meeting) date and location will be announced by the Secretariat. It will be held either in May 2010 or after that.

Reported by: Lee Giok Seng. Secretary / Executive Director. 21<sup>st</sup> Jan 2010.