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TF1 Thematic session

12 years of Cooperation between PETRONET, India and ELENGY, France
From training to cooperation

Alain GOY

ELENGY , a company of ENGIE, France



12 years of Cooperation between PETRONET and ELENGY

Rajender SINGH, Director(Technical), Petronet, my co- author, is unfortunately unable to be here today.



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50 ans de GNL
years of LNG
Et toujours à vos côtés.
And always by your side.



Background and review of initial co-operation actions

- late 1990s : decision by Indian Government to import LNG
- in 1997 : creation of a special purpose company, Petronet LNG Limited, mandated to create LNG terminals in India
- in 1997 : GDF selected as strategic partner, then equity partner
 - GDF supplemented PLL with the skills in cryogenics and LNG.
 - GDF expatriates brought their operating experience, commercial expertise and design and engineering skills
- PLL can trust GDF at every step of the project, from preliminary design to operation

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Background of Gaz de France (GDF)

- Since 1965, GDF was operating LNG terminals with success and total availability of its 3 LNG terminals in Le Havre, Fos and Montoir,
- zero personnel or materiel accident in operation,
- zero damage to third parties or impact on neighboring).
- GDF pioneer, with the involvement in the first ever commercial LNG chain between Arzew, Algeria and Europe

Le Havre 1965



Fos Tonkin 1972



Montoir 1980



Time of EPC, and RFSU (ready for start -up)



Towards long-term co-operation



- Preparation of the operating and maintenance policy
- Theoretical and practical training of PLL operators
- Technical assistance during commissioning and writing of safety procedures
- Full time technical assistance during the first year in operation

Training in India and in France



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Complex subjects for a long term program

Marine operation

Audit in safety management

Audit in operation and
maintenance management

Plant health monitoring review

Duplication of operation
reviews in Kochi terminal



A collaboration of equals

- future shift managers of coming new LNG terminal Fos Cavaou went to visit a brand new modern terminal in Dahej, in 2007



Case of reloading and low send out

Same case for Montoir and Kochi

- Low send out
- Reloading opportunity

- Based on that experience, ELENGY was able to make a good practice and transfer it to PLL.
- Nothing is really revolutionary, but the global picture gives a solid frame for safe operation on the technical aspects



Conclusion : toward co-operation

Knowledge is the key to success, and here we have people who work together to turn that key, opening new doors and new markets.

The Technical service agreement was a way :

- to stay on the side of PLL, and not at the place of PLL,
- to give the credibility of their new activity in India to the lenders,
- to be consistent with the position of shareholder in PLL.

The multi cultural context of this TSA gives opportunity for men and women to increase their understanding and their skills, in both companies.

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Breaking news : Kochi first bunkering terminal

