CHEMSS2017 LNG TERMINAL SAFETY AND SECURITY SEMINAR - CASE STUDY

Since the LNG operations are designed, maintained, and operated, with the highest standards, they have high safety and security records. At the same time no energy resources, including liquefied natural gas, all of which are carried on ships, stored off/on shore and transported by road or rail, are completely safe. If there is a fire or other safety or security incident, the consequences could be catastrophic. All the relevant stakeholders from government, industry, transportation, storage, and distribution, shall make sure the whole LNG operations are designed, maintained, and operated safely and securely.

There is an enormous expansion of LNG operations worldwide. The globalization of LNG operations raises the questions of ensuring highest safety, security and environmental standards, best practices and capacity building, in every place. To ensure that all LNG operations are not hazardous and meet the highest levels of safety and security everywhere, the ICCSS promotes the operationalization and internationalization the existing international, national and industry safety, security and environmental best practices and capacity building. This approach is based on the ICCSS vision that emerging global LNG market requires chemical and environmental safety and security, to be applied locally, nationally, regionally and globally.

The CHEMSS2017 seminar with a LNG terminal case study and lessons learned demonstrates the practical application of the ICCSS approach to develop and promote best practices and capacity building for safety and security of the LNG operations.

The significance of the LNG terminal lies in the fact that it connects the global LNG market and transmission grids of a local-regional gas market. It forges the supply chains with complex power dynamics. The scale of a capital project, globalization, geographical distribution and various working cultures on supply chain and different internal and external risks challenges the safety and security of the LNG operations.

The ICCSS approach allows to identify the key safety and security interface points by recognizing the interdependence relationships between them and mapping the points network. Provided framework for cooperation and best practice exchanges will improve project performance through better alignment between stakeholders, enforcement of contract terms, and effective sharing and distribution of risk-related information within formalized interface management framework. It would facilitate risk management and enhance an active insurance policies. Efficient communication assists in effective interface management and reduces interface conflicts. It would also be a key element of conflict resolution.

The importance and relevance of the ICCSS approach was confirmed in the CHEMSS2017 Shanghai declaration which stated: The Summit Participants welcome the efforts led by International Center for Chemical Safety and Security (ICCSS), presented and developed within CHEMSS2017, on developing best practices and capacity building for safety and security of the LNG operations. The first seminar on chemical safety and security for LNG operations will be held in Swinoujscie, Poland, in 2018.
Introductory Remarks – Amb. Krzysztof Paturej, ICCSS President

LNG specifics versus existing safety and security measures.

Case study and best practices exchanges – Mr. Maciej Labuda, ICCSS Senior Advisor

The development, building and operation of the LNG Terminal - forging the supply chains with complex power dynamics.

Lessons learned - developing the cooperation network of expertise and best practices for LNG operations at local, national and regional levels.