

The presentation is intended for the members of the Pressure Systems Interest Group (PSIG), the American Society of Mechanical Engineers (ASME), Singapore Section, the Singapore Polytechnic (SP) Staff and invited guests. The presentation will provide an overview of the LNG industry from gas production to its conversion to LNG at the liquefaction plants, storage and loading of LNG in to LNG carriers, LNG shipping carriers, unloading and storage of LNG at vaporisation terminals such as the one at Singapore and LNG pressurisation and vaporisation for export via gas pipelines infrastructure to the end consumers. The presentation will also look at LNG storage tanks design and construction and in brief consider other major equipment installed at the vaporisation terminals.

The presentation will also include a brief overview of the natural gas and LNG as sources of clean and green energy.

The presentation will be delivered by Mr Dilip Patel of Singapore LNG Corporation Pte Ltd (SLNG), which is as a commercial business funded by the government of Singapore via the Energy Market Authority (EMA) to provide diversity and security of gas supply to power plants and other industries in Singapore.

Mr Dilip Patel has employed by Singapore LNG Corporation (SLNG) as their Engineering Manager to manage all engineering aspects for their projects during Engineering, Procurement and Construction (EPC) phases. He has been responsible for managing the engineering including process safety and technical aspects of procurement of equipment and materials for the recently completed LNG terminal at Jurong Island in Singapore. He holds a First Class with Distinction Degree in Mechanical Engineering from Sardar Patel University in India and is a registered Chartered Engineer in the UK and India. He has served on working groups at the BSI/ISO and British Gas in the past. He has also authored a few technical papers. He brings to

SLNG, a total of 33 years of experience in the natural gas and LNG industries. His experience includes engineering and project management for onshore gas plants, LNG terminals and liquefaction plants, offshore drilling and production platforms for gas, transmission pipelines and compressor stations, and salt cavity storage facilities. His experience includes feasibility studies, concept design, proposals, Front End Engineering and Design (FEED), detail engineering, procurement, contract management, and technical support during construction, commissioning and operations phases. He has previously worked at British Gas PLC, The Oil and Pipeline Agency (MoD-UK), Mobil Oil, UK, M W Kellogg Ltd, UK, and Dragon LNG Terminal, UK.

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