

## PRESS RELEASE

### SENER designs an innovative LNG unit for Panfido

Barcelona (Spain), September 17, 2018 -. The engineering and technology group [SENER](#) has signed a contract with the owner Rimorchiatori Riuniti Panfido & C.s.r.l for delivering the basic engineering and technical assistance in the construction of a liquefied natural gas (LNG) SBBT unit, which will operate in Italy and the Adriatic. Panfido is one of the most important tug and barge owners in Europe, with 130 years of experience in marine services. This project is co-funded by the European Union through the Poseidon MED II program.

This new contract consolidates SENER's role as a pioneer in the design of innovative LNG marine technology units. In this regard, the SBBT unit's design is a combination of a LNG fueled tractor tug (powered unit) and a LNG bunkering non-propelled pontoon of 4,000 m<sup>3</sup> (cargo unit).

The tug will be designed and constructed as a dual fuel driven, towing, escorting, rescue, supply and salvage tug, propelled by Voith and with 65 tons of bollard pull. For its part, the pontoon will have a storage capacity of 4,000 m<sup>3</sup> of LNG and 1,000 m<sup>3</sup> of marine diesel oil (MDO), and it will be used for bunkering service. Among other benefits, SENER's innovative design focuses on wave signature and ballast water management.

SENER has announced this new contract in the framework of the 2018 edition of the [Gastech](#) exhibition and conference that takes place in Barcelona (Spain) from September 17 to 20. The company is showing at Gastech (in its booth nº G175) its [floating solutions in LNG](#), where SENER is able to offer an integral project of the entire LNG value chain using its own technology and engineering.

With more than €2.5 billion in LNG contracts and references as EPC contractor such as Sagunto in Spain, Dunkirk in France, Zeebrugge in Belgium or Gate terminal in the Netherlands. SENER has become a leader in the [LNG sector](#), applying technologies developed in-house.

Besides, SENER has developed a comprehensive project portfolio in [marine and naval architecture](#) since its foundation, in 1956, as a marine engineering company. On this regard, SENER has developed its own bunkering vessel with an innovative design using its own CAD/CAM/CAE shipbuilding software [FORAN](#), which is one of the advanced solutions presented at Gastech.

#### About SENER

*SENER is a private engineering and technology business group founded in 1956. Its aim is to offer its clients the most advanced technological solutions and to achieve international recognition based on its independence and commitment to innovation and quality. SENER has more than 2,500 professionals across its centres in Algeria, Argentina, Brazil, South Korea, Canada, Colombia, Chile, China, the United Arab Emirates, Spain, the United States, Morocco, Mexico, Poland, Portugal, the United Kingdom and South Africa. The group's operating revenue exceeded 766 million Euros (2017 data).*

*SENER brings together its own Aerospace and Engineering and Construction activities with industrial holdings in companies working in the field of Energy & Environment. In Aerospace, SENER has more than 50 years of experience and it is a first-rate international supplier in Space, Defense and Aeronautics. In Engineering and Construction, SENER has become a leading company worldwide in the Infrastructure and Transport; Renewables, Power, Oil & Gas; and Marine sectors.*

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