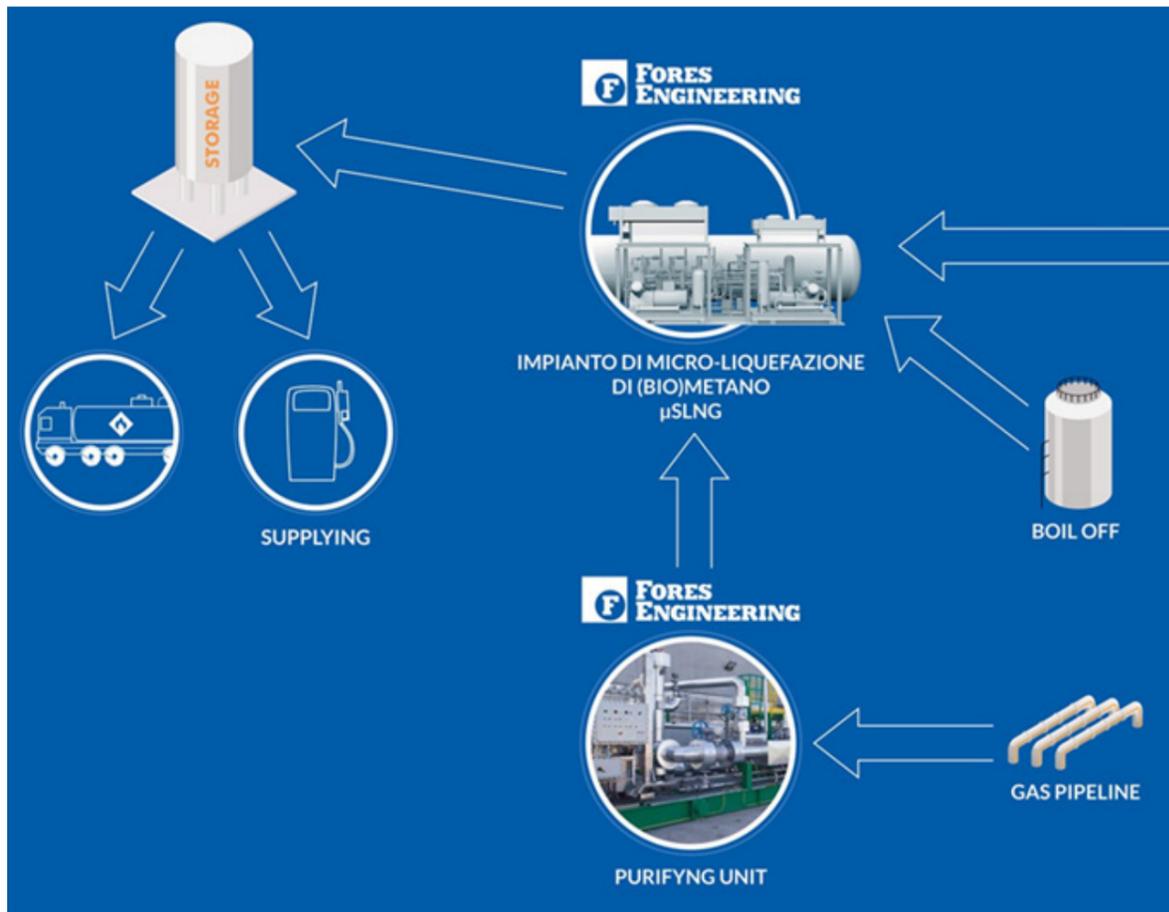


# Solutions aiming at a more sustainable mobility



Governments and public stakeholders are strongly supporting the evolution towards a cleaner mobility.

Current investments are mostly focused on the development of electric and biofuels vehicles.

Whether electric mobility is the protagonist for light-duty vehicles, certainly the heavy-duty transportation will be the playground for (bio)LNG solutions. Programs like "LNG Blue Corridors" confirm this trend and attract industrial manufacturers as well as farming entrepreneurs and public utilities, leveraging on their "biomass resources" for a valuable "waste to fuel" transition.

If large-scale LNG production would still be the cheapest sourcing for the mobility, the role of micro-scale lique-

faction (<100 tons LNG per day) can be pivotal for a better exploitation of small fossil methane assets and for distributed biogas producers.

In this context, Fores Engineering (Fores) is ready to provide micro-scale liquefaction system "μSLNG" suitable for a variety of applications: Boil-off from LNG Bunkering or floating carriers, Biogas from anaerobic digestion of biomass from farming or urban waste, and fossil marginal gas wells or even Gas Pipeline.

μSLNG ranges from 4 up to 50 tons LNG per day, it is fully automated and its modularity supports a wide operational flexibility following a likely variable market demand. Fores combines μSLNG with a polishing and or upgrading to avail the highest production quality, sourcing from a

variety of feed-in (bio)gas stock, with the capability to select the best technology according to the (bio)gas chemical composition.

The operating principle is based a simple Linde cycle featuring a methane self-cooling process, without consumption of any other gas (e.g. Nitrogen). The systems is engineered to target the lower possible operating costs, while still in line with the highest standards of quality and safety, peculiar of the O&G sector (Fores heritage).

The challenge of bioLNG or microscale production vs large fossil LNG lies mostly in reducing as much as possible

the gap of the production costs and increasing the synergies among the various stakeholders.

This is achieved through a flexible and effective operations for the plant, the capability to get easy access to the available governments' incentives and strategic long-term cooperation; Fores is ready to play its role for a more sustainable mobility.

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