

ABOUT US?

GTS is part of QUIRIS Holding Industriale. With full **N-Butane**, **Isobutane** and **Propane** supply chain control, as well as an exclusive distribution contract for **high purity Propylene**, GTS is today a leading company in the special gases sector. It is a protagonist in the aerosol and refrigeration field as well as in many others (construction, packing, welding, glass, etc.).



GTS operates 2 factories in Italy which are synonymous with outstanding supply comfort and security for their customers. GTS partners can focus on something else, while we take care of the raw materials supply for them. Through **factories in Belgium, Romania, Thailand and Brazil**, **GTS can serve more markets all over the world**, with the continuous aim to support its customers' growth.

A dynamic company, GTS is engaged in several projects to create new products for more and more applications. Our **new distillation plant produces propane** (R290), **iso-Butane** (R600a), **n-Butane** (R600) and

propylene (R1270) up to grade 3.5, so minimising moisture and non-condensable gas content and it is based on a production system featuring two distillation columns heated and cooled by two R290 heat pumps.

We can count on a fully automated and remotely controlled continuous process, while heating and cooling combined control optimises water and power consumptions allowing GTS to be in line with the objectives of the green economy.



WORLDWIDE DISTRIBUTION



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HYDROCARBON REFRIGERANTS PRODUCT LINE

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GTS POLARPURE GAS IS OUR HYDROCARBON REFRIGERANTS PRODUCT LINE

GTS cutting-edge purification unit enables us to get a **purity > 99.5%**, a **humidity < 10ppm** and **non-condensable gases < 175ppm**, which mean high-purity and high-quality hydrocarbon gases for refrigeration use. The Polarpure refrigerants have a very low GWP and **do not cause ozone depletion**. Being natural refrigerant, they represent the greenest and cheapest alternative to the phasing-out HFCs and HFOs.



OUR PRODUCTS

Available in Standard and ISCC-Certified Bio Version.

R290 (Propane 99,5%)

Polarpure **Propane** is mostly used in AC systems, dryers, commercial freezers and refrigerators, ice cube machines, bottle coolers, vending machines, cascade refrigeration systems.

R600a (iso-Butane 99,5%)

Polarpure **Isobutane** is mainly used in the domestic refrigeration (refrigerators and freezers), yet it is also suitable for special applications such as LNG plants and power plants.

R600 (n-Butane 99,5%)

Polarpure **n-Butane** can be used either as a pure refrigerant or as a component in refrigerant blends.

R1270 (Propylene 99,5%)

Polarpure **Propylene** is used as a refrigerant in industrial and commercial refrigeration; ask GTS for your tailor-made blend of it.



Sustainability and energy efficiency: our Arquà Polesine facility is powered by a 1 MW photovoltaic system, ensuring efficiency and self-production for our high-tech processes.



Watch the video
Scan the QR code
Discover GTS in minutes



Certified sustainability: zero impact production and supply of bio refrigerants (ISCC plus certified)