

## our refineries



**eni refining & marketing** is the leading operator in Italy in the refining industry, with five wholly owned refineries: Sannazzaro de' Burgondi (PV), Livorno, Porto Marghera (VE), Taranto and Gela.

Furthermore, it holds interests in the Milazzo Refinery and, in Europe, in Bayern Oil and PCK (Germany) and Ceska Rafinerska (Czech Republic). It also produces lubricants and oxygenates for fuels.

Through **eni trading & shipping, r&m** operates in the crudes and products trading market, both under forward contracts and on the spot market. In this way it can meet the full demand for the raw materials used in the refining system and ensure that all the equity crude produced is marketed in the **exploration & production** sector.

**eni** also has an integrated logistics structure comprising a network of oil pipelines and a system of proprietary and directly managed depots throughout Italy to transport and store petroleum products onshore. The refined products are retailed through a network of more than 4,500 service stations in Italy and more than 1,600 in Europe, as well as through the wholesale network destined for the residential, transport, industrial and agricultural market segments.

**eni** is a major integrated energy company, committed to growth in the areas of exploration, production, transportation, transformation and marketing of oil and natural gas. It operates in 79 countries and employs around 80,000 people

**eni** has adopted a model of sustainability underpinned by a commitment to valuing the people and communities with which it works and to ensuring their health and safety. **eni** also pursues a policy of protecting the environment, investing in innovation and research, fighting climate change and promoting energy efficiency.

## eni activities

### exploration & production

**eni** carries out oil and natural gas exploration, development and production, principally in Italy, Norway, North and West Africa, the North Sea, the United States, Latin-America, Australia and in areas with high potential, such as Mozambique, the Caspian Sea, the Middle and Far East, India and Russia. In 2011 the company's average hydrocarbon production was 1,581 million boe/day, while in December that year proved reserves amounted to 7.09 boe.

### gas & power

**eni** operates in the supply, regasification, transport, storage, distribution, trading and marketing of natural gas, as well as in the production and sale of electricity. In 2011 total sales of natural gas amounted to 96.76 billion cubic metres, while sales of electricity totalled 40.28 terawatt hours.

In 2011 **eni** was listed once again on the Dow Jones Sustainability World and Europe Indexes, demonstrating, for the fourth year running, that it excels in the sustainable management of its business at international level. Since 2007 **eni** has also been included in the prestigious FTSE4Good Index.

### refining & marketing

**eni** operates in the refining and trading of petroleum products principally in Italy and Europe. In terms of distribution, it is the leader in Italy with the **eni/agip** brand. In 2011 wholesale sales in Europe of refined products reached a total of 11.37 billion tonnes. In the same period, the refining volume totalled 31.96 million tonnes.

### ingegneria & costruzioni

**saipem** (**eni** 42,9%) operates in the refining and trading of petroleum products principally in Italy and Europe. In terms of distribution, it is the leader in Italy with the **eni/agip** brand. In 2011 wholesale sales in Europe of refined products reached a total of 11.37 billion tonnes. In the same period, the refining volume totalled 31.96 million tonnes.

### chemicals

**versalis** (**eni** 100%) operates in the production and sale of a wide range of chemical products and holds significant market shares in Europe where it owns a number of latest generation plants equipped with the most up-to-date technologies. In addition, it boasts an efficient global distribution network. In 2011 production totalled 6,245 kilotonnes.



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eni refining & marketing Raffineria di Livorno

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ma a ritmo sostenibile.



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# the Livorno Refinery

eni's Livorno refinery has been operating since 1936. It has a refining capacity of 105 kbb/d and mainly manufactures lubricant bases, fuel oil, gasoline and special products.

## links with the community

The Refinery is becoming increasingly integrated with the surrounding community. This connection is demonstrated through its ongoing collaboration with local bodies and organisations, for example, its special relationship with schools and universities. The creation of a Museum of History allows the "past" to be shared with the local population which, by getting to know its origins, increases its sense of belonging. The Museum can thereby serve as a useful tool for reflecting more clearly on the future.

il legame con la comunità



## sustainability

Health and safety and respect for the environment are the main areas of focus in the daily running of the refinery. The plants are designed, managed and constantly monitored in order to ensure that production is compatible with the eco-system and to guarantee maximum safety for employees and the community. The key element is the waste water and emissions monitoring and control system.

## resources

The reason the refinery has been a point of reference for the city of Livorno for over seventy years is the 450 or so highly professional staff who work there and who constantly strive to improve the plant's safety and environmental credentials. Staff receive ongoing updates on health, safety and environment and are supported by medical and fire teams which provide a round-the-clock prevention and support service.

# manufacturing process

## our commitments

The refinery's Environmental Management System is certified in accordance with the UNI EN ISO 14001 standard. The refinery has also achieved EMAS registration for its performance. In addition, it has obtained OHSAS 18001:2007 certification which establishes best practices for good health and safety management as well as risk prevention and mitigation.

Over the years, rigorous audits have resulted in the plant achieving and keeping its UNI EN 9001:2000 Quality Certification.

## strong points

Livorno is the only refinery producing lubricants and paraffin. The plants used to manufacture these products have undergone some modifications in the last few years in order to produce higher quality lubricant bases (Group II Bases). The production plants lead the way in terms of the production of environmentally friendly fuels. The refinery's main aims are to keep abreast of developments in technology and on the markets and to continue striving to save energy in order to make production as efficient, safe and sustainable as possible.