

Taranto and its technological progress

IISS AUGUSTO RIGHI TARANTO

The Italian Navy Dockyard of Taranto

The construction of the Military dockyard began in September 1883.

It was a milestone of the first industrial revolution which turned an agricultural area into an industrial one.

The works involved the demolition of ancient buildings such as the eighteenth-century villa Capecelatro which was on the required location chosen for the construction of the dockyard



- The dockyard extends for 4 kilometers of coastline that overlook the Small Sea with 90 hectares of surface, including the torpedo boat station.
- In the dry docks maintenances of military ships and all the instruments on board take place. The two main dry docks are Benedetto Brì, and Ferrati.



In the structure there are also **two floating basins**, as well as various workshops that carried out tests on materials. In fact, in the arsenal there is the largest lathe in Europe, where the axles of the ships were overhauled.



The second industrial revolution in Taranto



ILVA

The most important Italian steel plant site is located in the Taranto industrial zone, and it is the largest industrial complex for steel processing in Europe.

It was founded in 1965. Another important steel plant site was located in Genova

When the steel factory was founded it belonged to the State. It also experienced the golden age of its production during the seventies and the eighties

It has changed different names but at present it is called ArcelorMittal. Its history goes back to a hundred years ago, to the early years of the twentieth century.

TARANTO INDUSTRIAL AREA

ENI : Oil and Gas production Plant

Located in front of Ex ILVA this huge complex represents the second big industrial company in Taranto .

Eni operates with different ecological sensitivities and regulatory regimes

- Study visit to the plant



INVENTIONS and INVENTORS



Puglia, with the province of Bari in the lead, turns out to be a region of inventors, in tenth place in the national ranking.

It is at the forefront and the innovations and our inventors are the mirror of the advancing modernity and their ability to incorporate the new and be highly competitive with their proposals, from domotics to energy saving but also to reuse of waste materials typical of our territory.

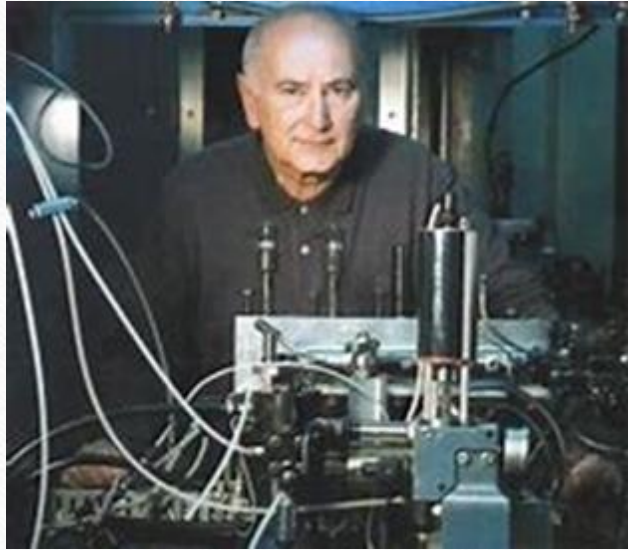
A significant example:

Mario Ricco, 78 years old. inventor of the common rail.

He was born in Bari in 1940, he is a physicist and he has a degree in mechanical engineering.

His invention will mark the turning point in the world automotive industry: the Common Rail for diesel engines





This technology, developed by Mario's research team in the 1990s in Bari, has transformed diesel cars and has brought down the consumption of diesel engines increasing their performance, and above all, it has drastically reduced their environmental impact.

The story of this innovation interweaves the destiny of FIAT and DAIMLER, of BOSCH.

A trolley is all that is useful for a trip, but sometimes it can be useful as a container to be turned into a seat-trolley when you are waiting for boarding at the airport.

It is a trolley-seat made with composite material, resistant and light.

That of Cosimo Epifani, sole administrator of Epi s.r.l., is a story of success and his firm plans to grapple with the challenge of product innovation.



In Altamura (BA), Pietro Monitillo, a stonemason, creates, in collaboration with Cetma, different types of marble benches that have the shape of Puglia



Apulia Stone bench by Pietro Monitillo

- Two young graduates from **Puglia** in computer science at the University of Bari, Gianluca Zaza, 26, from Capurso, and his fellow colleague Vincenzo Pasqua Dibisceglie from Trani, made a prototype, a **mirror, called "Miracle" that allows you to measure cardiovascular vital parameters without any body contact but simply with a visual image.**
- A brilliant invention that allowed them to rank second in the regional competition Start Cup Puglia 2018, dedicated to youth enterprises and organized by Arts and Section Youth Policies and Social Innovation





- In Racale, the architect **Tiziana Torchetti**, owner of the eponymous family business that employs luminaries, has its headquarters. "a tribute to the local culture and a challenge at the same time", of set-ups, furnishings and lighting for the garden. The collaboration with Cetma allowed the company to create a **totem, called Luminaria**.

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- In Galatina, the story of the very young **Andrea Giurgola**, who was also involved in the family business after graduating from the classical maturity, develops. The path of innovation has pruned the company to use **rotational molding** to make furniture and garden furniture in thermoplastic material, especially tables and armchairs.



A useful invention for young people made in TARANTO



- <https://www.digithon.it/video/221/psykboard-documentary>