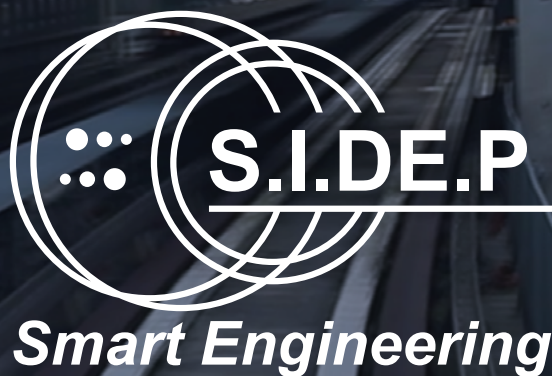


ENGLISH

# HIGH-SPEED DESIGN



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# People first and foremost

An enthusiastic, loyal and skilled team is the touchstone and starting point for every project.

Our firm was founded in 2010 with the experience of a group of professionals who had already worked for years in railway, naval and oil & gas engineering. Over the years the group has continually grown in terms of staff and turnover, showing itself to have a solid structure with the expertise and ability to resolve any issue, whether technical or logistical. Each of us has skills which are different, but complementary. This allows us to undertake highly complex projects and follow them through every phase, from planning to factory, and always in close collaboration with the client.

**Our services are based on engineering and machinery design.**

We work to develop innovative, reliable products for an increasingly forward-thinking future.

## Experience

Our firm is the result of our founders' planning and operational experience with major firms, primarily in the railway sector. The close, trusting relationships we have established with our clients over time mean that today we can count on a team that's extremely well-prepared for the various sectors and international fields in which we operate.

## Resources

The greatest resource our firm has is its people. Our team is young, well-qualified and trained to handle every project responsibly and independently, while never forgetting reciprocal support and assistance. To achieve optimum results, our staff are provided with state-of-the-art hardware and software tools for technical design.

## Local area

Our headquarters are in Livorno, a beautiful and lively city with strong links to the nautical, logistics and transport sectors. A city which in recent years has seen the growth and development of major naval engineering and research projects associated with 4.0 industry and marine robotics.



# We execute innovative, sustainable projects

Our projects are the result of the methodical use of advanced tools and software and close attention to everything we do.

From feasibility studies and mechanical planning for the railway and tramway, naval and industrial sectors to structural analysis, design and rendering, the production of manuals and documentation and close attention to the various phases of production in the factory. **Our strengths lie in comprehensive planning and project management at every stage.** Reverse engineering is a process of implementation and optimisation which begins with the existing factory structure.

What we can do

**Planning | Feasibility studies and checks | Structural analysis | Gauging Analysis | Consultancy | Technical writing | Reverse engineering**

## Method

**Completing projects on time is often a challenge, and this is where our project management expertise comes in.** In every type of project and every phase, there needs to be time management, ongoing monitoring of progress and project reviews, and problem-solving, both to consider critical issues and to resolve individual problems. Our meticulous methodology stems from regular checks and our presence on the site or in the factory.

## Innovation

**Innovation means using cutting-edge technologies which are constantly updated, but it also means using computerised procedures which can streamline working processes and automate operations.** We use 2D, 3D and FEM software such as AutoCad, Dassault Catia, Creo and Altair Hyperworks, and cloud-based systems for the management of operational processes.



## Creativity

**Who says engineering is not creative?** Today designing a high-speed train or a car means creating a product that's ergonomic, dynamic, functional and attractive. Interiors, external fairings, harmonic structure, comfortable seating and the design as a whole offer the opportunity to create true gems of technology and innovation.