



Your safety. Our mission.

Metering Skids Tanker Loading Arms Pumping Groups Fall Prevention Systems Grounding & Overfill Monitors Marine Loading Arms Floating Suction Units Accessories Servicing

Intoduction to the company



Our Company

Zipfluid has been founded in 2013 by a group of friends, with proven track records in different industrial fields; their strategic objective was to create a dynamic company, capable of innovating and generating tangible value for the customers.

Today the Management Team is composed of professionals and senior technicians with a long experience in the Oil&Gas business; thanks to their unique know-how, Zipfluid is acknowledged as one of the most proficient companies on the Fluid Transfer Systems market, especially for **tailor-made systems** and turn-key solutions.

Company Headquarter and Manufacturing facility have been established in a modern building, located right in the middle of one of the most productive industrial districts in Europe; in the Province of Bologna alone, more than 15,000 companies are active, ranging from automotive to hydraulics,

robotics and packaging. Thanks to this favourable position, Zipfluid cooperates with **top-class industrial partners**, benefiting from their state-of-the-art technologies and is therefore able to offer its customers innovative and high-quality products.

We design and manufacture fluid transfer systems, including pumping and metering skids, tanker loading and unloading arms, floating suctions, marine loading arms, tanker access platforms, folding stairs with safety cages.

With extensive industry experience, we are able to provide comprehensive **packaged solutions** across a wide range of industries, such as Oil&Gas, Chemicals, Building, Agriculture, Food & Beverage. We have transferred and measured a wide variety of fluids such as fuels, acids and bases, cement, bitumen, paints, distillates, oil, wine, milk, juices and water.



MADE IN ITALY

Research & Development

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Zipfluid is the perfect partner of EPC companies, who look for specific expertise in the field of loading systems and require a rigorous approach to project management.

For every project, regardless of its size and complexity, we adopt a formal **Stage-Gate Project Management Model** to ensure that our commitments on time and quality are kept with no exceptions.

At the startup of the project, our Requirement Engineering Team is responsible of submitting comprehensive **Technical Requirement Specifications** to the Customer for approval: by doing so, we ensure that any ambiguous or conflicting requirement is addressed at a very early stage and will not have any negative impact on the quality of the design.

A project **Gantt Chart**, incorporating Critical Path Analysis, is kept updated during the entire course of the project and **Progress Reports** are issued at regular intervals to ensure a transparent communication and facilitate the timely resolution of any possible issue.



Risk Analysis is an essential part of our Design Control procedure; it is performed in accordance with ISO 27001 and IEC 61508, therefore the results can be easily incorporated by the Customer HSE Department into their standard Risk Management System according to EU Directive 2012/18 (so-called Seveso III) or other mandatory International Standards.

ATEX, PED and Machine Directives are used as main references, in conjunctions with other applicable standards, for evaluating the **Safety Integrity Level** (SIL) associated to our Safety Instrumented Systems (SIS).

As a first step, a systematic **FMEA** is performed and serves as guideline for the Architectural Design, whose output usually consists of Process & Instrumentation Diagrams (P&ID), Envelope (ED) and General Arrangement (GAD) Drawings.

During the Detailed Design stage, our state-of-the art **CAD system** allow us to easily adapt the design to fulfil the most demanding customer requirements.

3D simulations simplify dramatically the analysis of all possible interferences of our loading arms with other objects in the working area, while **Finite Elements Modelling** (FEM) allows us to perform complex structural analyses and ensure a superior reliability of our systems during their entire life cycle.

Once design is completed, our GA drawings can be exported in IFC format in order to be easily integrated into the Customer **Building Information Modeling** (BIM), so ensuring a full consistency with the overall construction plan.



Manufacturing

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Zipfluid workshop is established in a modern industrial building, where our products are assembled and tested, before being delivered to their final destination.



Our manufacturing approach is extremely flexible and ranges from **Build to Stock to Engineering to Order**, allowing for both short lead time in case of standard products and ad hoc **Supply Chain Management** in case of highly customised projects.

Thanks to our certified technical staff the tooling, welding and painting processes are executed in accordance with **world class practice and comply** with all applicable EN, ASME and ISO International Standards.

As far as EU Directives and Regulations is concerned, we comply with 2014/34 (ATEX), 2014/68 (PED), 2006/42 (Machinery), 2014/35 (Low Voltage), 2014/30 (EMC) and 2004/1935 (Food).

Positive Material Identification (PMI) is part of our standard quality procedures and is conducted at various stages throughout the manufacturing process, to guarantee material's elemental composition as required for safety compliance and quality control.

Our workshop is equipped with automated stations for comprehensive **Factory Acceptance Tests (FAT)**, covering all aspects of the intended use of our systems: safety first, then robustness, performances and usability.

A detailed FAT report, including acceptance criteria and actual results, is always attached to the EU Declaration of Conformity.



Different packaging standards can be chosen by the Customer, depending on the ways of transportation and the storage conditions.

We can ensure **long term storage** - up to 48 months - against all the most adverse environments such as rain, dust, moisture and salt air.

In case of export, our internal **Bonded Warehouse** allows for expediting all customs procedures and therefore the delivery of goods to their final destination.



Technology Partners

We have established industrial partnerships with top-class technology suppliers and can benefit from their superior quality:

- ALMA
- Alfa Valvole
- BARTEC
- CARBIS
- Endress+Hauser
- Interpump Hydraulics
- Isoil Impianti
- Matec Group
- MIB Italiana
- PARKER
- Pepperl+Fuchs
- TIMM