

Specialized ideas

Tailored innovation, inspired by you

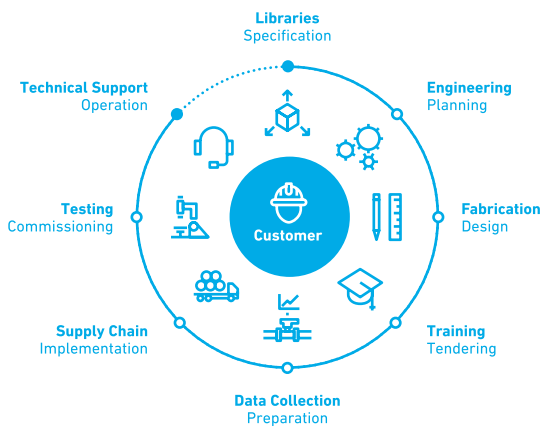




Custom Design and Prefabrication

Specialized ideas

Specialized Solutions



With Specialized Solutions, the global leader GF Piping Systems provides project support every step of the way to achieve construction excellence.

Custom Design & Prefabrication Solutions offers the opportunity to address a customer's specific needs during the planning and design phase, within the Specialized Solutions range by GF Piping Systems.

GF Piping Systems supports the conception and design process of a project from the outset to ensure that a sustainable and efficient solution is achieved. Whether in the selection of the right plastic solution from our extensive portfolio, the management of complex sub-projects, or quality control based on recognized international standards - you can benefit from Specialized Solutions for all application areas and references from a wide range of industries across the entire product range.

Benefits for your business

1

Higher quality and consistency

Provide a long-term high-quality solution preventing downtimes. Ultrasonic NDT can be used to further prevent the cost of non-quality.

2

Labor advantages to saving time

Shortens the time of on-site installation and allows flexibility to build in areas with local shortages or skilled expensive labor.

3

First class quality ensured

Develop tailor-made factory tested products that comply with your standard and market regulations.

4

Global one-stop shopping

Reduce interfaces and friction with suppliers.

5

Less waste, more sustainability

By using precision equipment and standardized processes, any waste produced on-site can be virtually eliminated, controlled and recycled.

Tailored innovation, inspired by you

GF Piping Systems considers the diversity of its customers and their requirements as a challenge and opportunity at the same time. This is where the key to individual benefit lies. With the individual needs and your application in focus, customizing teams develop the very solution that fits best.

An experienced partner

Nowadays, roughly 55% of construction projects are late, with an average overrun of about 30% of the original duration¹. For owners, a delay means loss of revenue through lack of production facilities, rentable space or dependence on present facilities. For contractors, it means higher overhead costs because of a longer work period, higher material costs through inflation, or labor cost increases. This, without mentioning the claims that result from delays, which cost a substantial amount of money to the faulty part.

There is a strong connection between delays, failures and ineffective performance of contractors on site³. Aside from delays, the next major risk projects are facing, emerge from the costs of non-quality, which we estimate to go beyond 10%, as a combination of direct costs (several studies

consider to be between 4% and 6% of the total project costs⁴) and in indirect costs (that go up to a 72% out of the direct costs⁵).

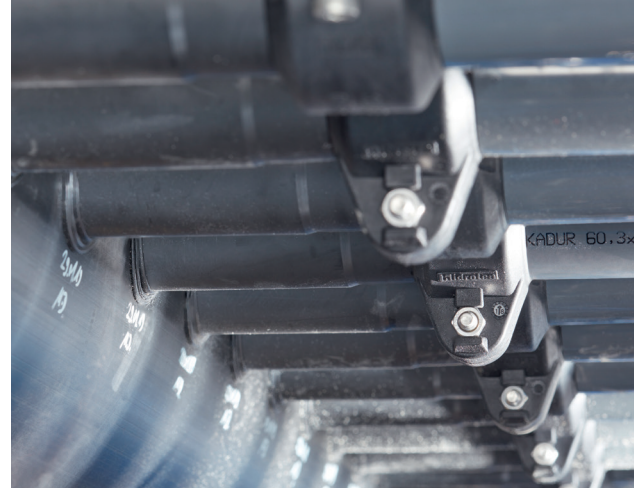
Certified quality management supports customers in reducing their exposure to these risks. Mitigate the risk, limit the on-site works to the strictly necessary, and ensure on-time completion: that's what the customizing expertise offered by GF Piping Systems is about.

**Reduce the scope of on-site works,
to fabricate as much as possible in
a controlled environment, increasing
quality and reducing delivery time.**



Custom product design and prototyping

With the help of our customizing teams, we develop the precise solution that suits you best. GF Piping Systems delivers the creative solution for your challenge, from the first briefing via design, manufacture and testing, up to delivery. Based on a customer's specific needs, we can customize parts from the product library to ideally suit an application.



Off-site prefabrication and delivery to site

Helping speed up site work activities by prefabricating systems and standard products, including complete modules and installation sections off-site and delivering them directly to the place of use. With prefabrication workshops situated around the globe, customers not only save costs and time, but also increase their system reliability with proven and certified GF Piping Systems quality.

Excellent quality along the entire value-added chain

By systematically integrating business partners, GF Piping Systems pursues a holistic approach to quality, enabling a binding claim to quality along the entire value-added chain and ensuring adherence to legal norms and standards.



55%

of projects are late¹

30%

average duration overrun¹

>10%

over cost caused by non-quality

15.5

months average claim duration²

Next steps

This brochure has provided important information about the Specialized Solutions we offer. But nothing replaces a personal conversation with an expert from GF Piping Systems. It is all about your needs and how we can support you with your specific projects. If you have not already done so, make an appointment today.

On the GF Piping Systems website you will find specialized contact persons in your area. There you will also find further information on the individual solutions, including technical data sheets and operating instructions as well as relevant certificates and approvals.

Get your appointment with an expert from GF Piping Systems to tailor a solution to your needs.

More information at:

gfps.com/prefabrication

Get in touch with us:

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¹ Vol. 24, International Journal of Project Management

² Arcadis worldwide report on construction claims, 2016

³ Al-Momani AH. Construction delay: a quantitative analysis. International Journal of Project Management 2000

⁴ Burati, James L., Jr., Jodi J. Farrington and William B. Ledbetter, Causes of Quality Deviations in Design and Construction / Love, Peter E.D., Influence of Project Type and Procurement Method on Rework Costs in Building Construction Projects / Hwang, Bon-Gang, Stephen R. Thomas, Carl T. Haas, Carlos H. Caldas, Measuring the Impact of Rework on Construction Cost Performance

⁵ Fayek, Aminah Robinson, Manjula Dissanayake and Oswaldo Campero, Measuring and Classifying Construction Field Rework: A Pilot Study

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