

Track & Trace

Asset management tool for
your piping system



Simplified workflows for your
team, faster job execution with
higher installation quality.

Introduction

Building the lifelines of the world

GF Piping Systems is the global expert for safe and reliable transport of water, chemicals, and gas, with expert support throughout all phases of your project.

Reducing maintenance and costs

Customers in more than 100 countries are already working with plastic piping systems from GF Piping Systems, first introduced more than 60 years ago. These systems, with their non-corrosive nature, excellent chemical resistance, and longevity, support your efforts to reduce maintenance requirements and cut costs. Compared to traditional metal solutions, the plastic pipes are much lighter, reducing static requirements and making installation faster and easier.

Every day, we support customers who are converting their piping systems from metal to plastic with our knowledge and local expertise – throughout all phases of your project.



1 Planning

The expertise you need

Designing the perfect application requires experience. Our experts support you with more than 60 years of experience.

2 Tendering

The selection you need

Every application is unique. Our materials, products, and services provide you with complete system solutions.

3 Preparation

The control you need

Selecting the perfect fittings and valves can be challenging, automation even more so we help with customized solutions.

4 Implementation

The execution you need

Systems are all about connections – you can depend on our products for long, reliable service life, with local support on a global scale.

5 Commissioning

The security you need

Peace of mind comes with the knowledge that quality and proper execution is measured and verified.



Managing your teams the smart way

All the information you need

Track & Trace is a cloud-based asset manager for piping systems. It registers the precise position of all your components and monitors the installation progress and quality in real time. The Track & Trace service collects the data via the app for iOS and Android, with all the data stored centrally and securely in the cloud. Project owners can access this information conveniently via the web interface.

Using Track & Trace eliminates paperwork, saves time, and reduces costs. You can schedule deliveries and work remotely and receive instant updates, meaning you always have the most current information. Trouble spots are easily located, which ensures reliable operations and the best installation quality. Worksite statistics are available any time, meaning trips to jobsites can be reduced by at least 30%.

Track & Trace enables effective installation management and simplifies your workflows. Interacting with your on-site team is made exponentially easier and more efficient.



+ Main benefits

- Reduced paperwork with centralized and simplified data management and centrally stored documentation
- Time and cost savings due to remote worksite monitoring
- Improved installation management and quality
- Real-time interaction with on-site team
- Convenient app and web interface





Applications

How Track & Trace can support you

Managing your teams working on piping system installations can be challenging due to the complex tasks and dependencies involved and the physical distance between your office and the worksite. Track & Trace supports you with a wide range of online functionalities and information to streamline your decision-making processes and provide your team with product and process data. All information is compiled in real time and safely stored in the Microsoft Azure cloud. You can access it conveniently in your office using Track & Trace web interface, which shows you all data that has been provided by your on-site team using the mobile app. Here are ten applications that can help you and your team to increase efficiency and simplify your workflows.



+ Manage projects efficiently

Track & Trace makes your project more efficient right from the beginning. Plan your jobsites, assign tasks to your contractors, and follow their progress and certifications. Ongoing documentations and statistics support your subsequent decisions.

+ Know where your assets are

The GPS feature of Track & Trace increases your asset safety. Your teams always know, right down to the centimeter, where all piping components are – in the x, y, and z dimensions with an acquisition time of just seconds.

+ Interact in real time

Track & Trace records all worksite events and makes them available for you in real time. Your workers can also share pictures and comments and receive your decisions and directions. Key decisions can be made jointly.

+ Schedule follow-ups

During the installation you can define maintenance periods and set reminders. The same can be done for the expiration dates of your workers certifications. Track & Trace keeps track of all important follow-up tasks.

+ Leverage your data

You can leverage the information Track & Trace has collected. Its standardized format is easy to export into any existing geographic information system (GIS) for additional layers of insight into your organization.

+ Trace all products

Each product can be easily and reliably traced using a variety of possible identifiers and combinations, including, for example, European Article Numbers (EAN), traceability barcodes, article numbers, and customized labelling.

+ Support your teams

You chose which level of support is necessary for your team. Track & Trace offers you flexible options ranging from basic quality checks to complete tutorials with instructional and reference pictures to ensure the highest installation quality.

+ Automate welding

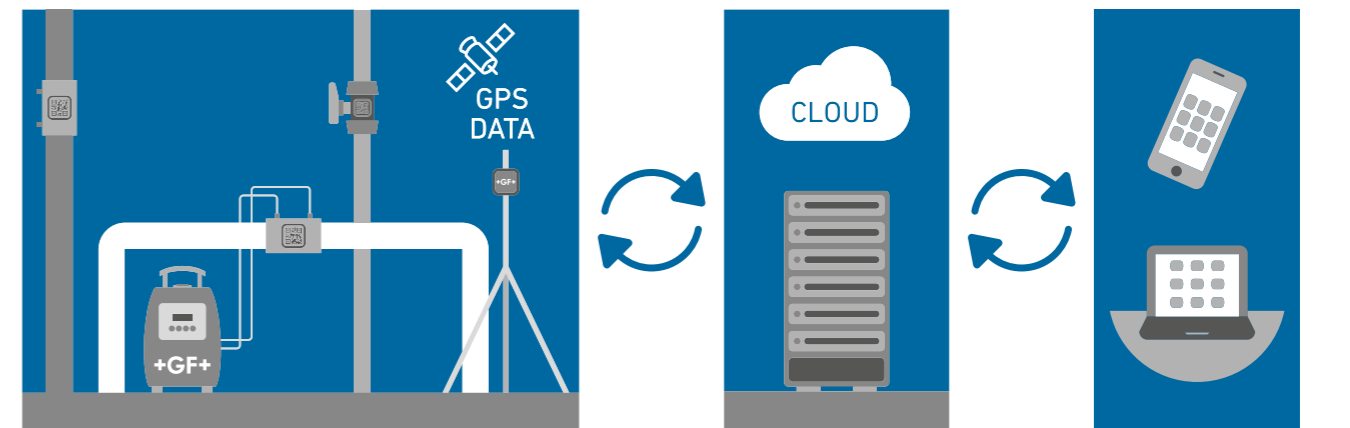
Welding machines interact easily with Track & Trace using a smartphone's Bluetooth functionality: Send welding parameters, receive reports, and store all data. Ask our experts about upgrades for older machines.

+ Complete your data

Track & Trace automatically collects a wealth of valuable information related to your projects. This includes data about products and tools used and the worksite itself, but also your teams and their performance. You receive a comprehensive overview of all insights.

+ Be ready for audits

The ongoing documentation of all information means you are always prepared for audits and queries. Data loss is no longer a risk. Track & Trace saves all your data centrally and securely, with professional and reliable back-ups.



Jobsite

Cloud storage

Web and mobile access

Intuitive and easy-to-use mobile interface

+ Job data



This is where installation team members select the job site on which they are currently working. Track & Trace compiles all actions undertaken at this location.

+ Quality check



Images documenting the quality of the installation can be added here. Since they are also visible on the web interface, they allow for remote quality approval.

+ Welding



Connects Track & Trace with the welding machine, for instance MSA 340, MSA 2.1, MSA 4.1. Welding parameters are saved and results are displayed and documented.

+ Geo-positioning



The GPS position of the phone can be used by Track & Trace to register approximate locations. An optional separate antenna offers a higher accuracy.

+ Notifications



Mobile users can add notes and photos of the installed asset here. Both mobile and web users can set reminder dates and times for that asset and receive e-mail notifications.

+ Fit for service NDT



If Nondestructive Testing (NDT) is used, then all the data is collected here and passed on to the web portal. Welding reports and warranty certificates can also be seen here.

+ QA list



Predefined and customized QA checklists are set in the web portal by the project owner and available on the mobile device for the installation team.

+ Product data



All information about the product being installed can be found here, including manufacturer, specifications, and references. It can be preloaded or manually added.

+ Help



Here your team members can find short descriptions of the different functions of the Track & Trace app. This allows for a fast cross-check whenever needed.

+ List (worklist)



Each scanned asset will create an entry in the jobsite list. All further actions in relation to this asset will be documented by Track & Trace for full traceability.

+ New scan



Job-site assets are easily added to Track & Trace by scanning the product codes using one of several possible identifier systems or a custom identifier.

+ Settings



The settings allows language selection and logout. The connection to the GNSS antennae is set via the phone's Bluetooth settings. Data is backed up automatically.



Measure the benefits for your own business

Request your demo today

Track & Trace is a powerful service that brings numerous benefits to your business. We invite you to get in touch with the experts at GF Piping Systems near you to experience it for yourself. Schedule an appointment for a first-hand demonstration to learn more about its comprehensive capabilities and how it can simplify your workflows and improve your team efficiency.

We are happy to offer you a trial license that enables you to measure the benefits for your own applications over a period of time and then make a decision about using it on a permanent basis.

Our experts are located in 34 countries and are just a call or e-mail away. You can find an overview of all our locations and local contact information on our website.

+ Next steps

- Get in touch with an GF Piping Systems near you
- Schedule a Track & Trace demonstration
- Request a trial license
- Measure the benefits for yourself
- Decide about ongoing use

Local contact

gfps.com/track-and-trace



Worldwide at home

Our sales companies and representatives ensure local customer support in more than 100 countries.

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