



# FUSION ASSIST

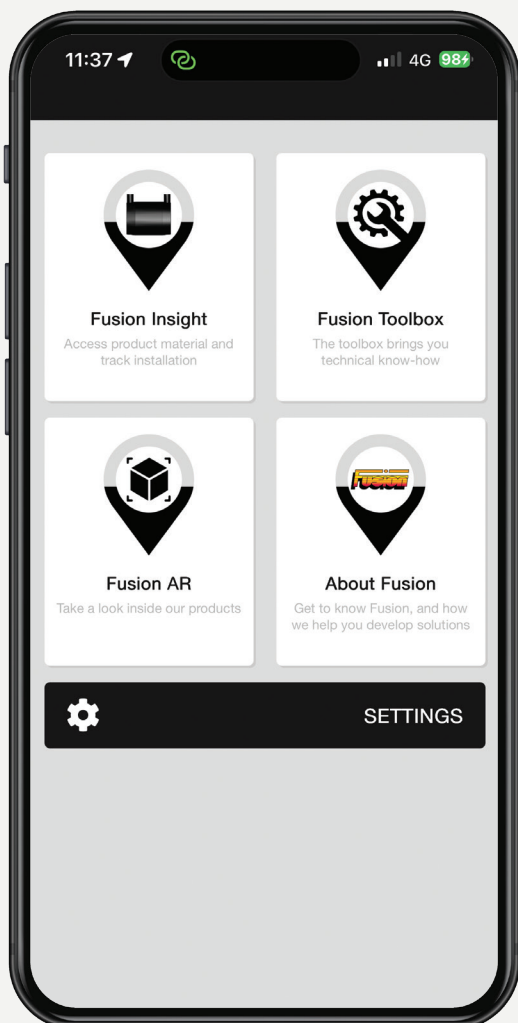
Maximising efficiency,  
reducing costs and protecting  
network performance



Member of the AVK Group

# THE SMART WAY

Fusion has built a strong reputation as a leading innovator and solutions provider across the global gas, water and industrial sectors. Fusion Assist is the latest step in advancing that reputation, delivering a smarter, more connected way to support our customers.



By building relationships with our partners, through listening and responding to both their key strategies and to their daily operational challenges, we are able to develop solution led products and services which help deliver and resolve.

Network management and asset mapping are two key subjects highlighted in the majority of utility strategies as ongoing issues, the Fusion Assist mobile app can make a major contribution on the journey to a resolution of the issues.

Fusion Assist is a free app aimed at utility and industrial, gas and water network engineers. The app is made up of four key elements which will help specify, select and then record the installation quality and GPS location of an asset.

The Fusion Assist app is available to download for free.

## FUSION ASSIST DOWNLOAD NOW





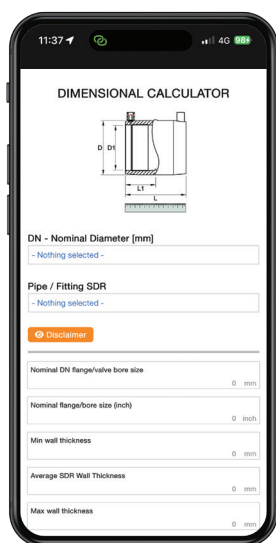
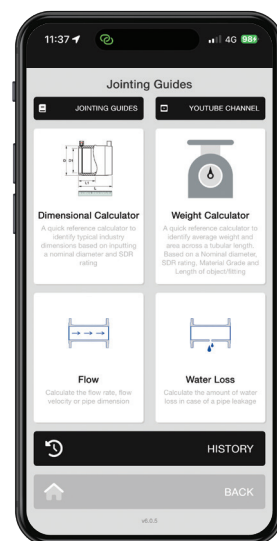
# TOOLBOX

Fusion Toolbox provides a central area to access practical tips, tools and reference guides which support installation, training and design of piping systems.

## JOINTING GUIDES

Link to download of 'The good guide to electrofusion jointing' and 'The good guide to butt fusion jointing'.

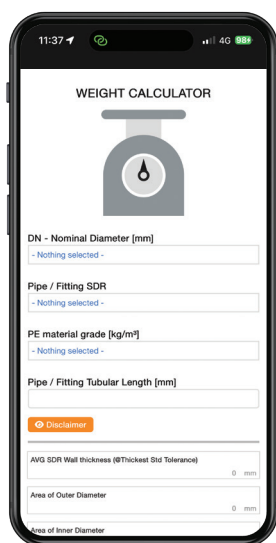
The 'good guides' provide basic information which enables operatives to understand best practice jointing and installation techniques.



### DIMENSIONAL CALCULATOR

A quick reference calculator to identify typical industry dimensions such as flange/valve bore size and average typical wall thicknesses.

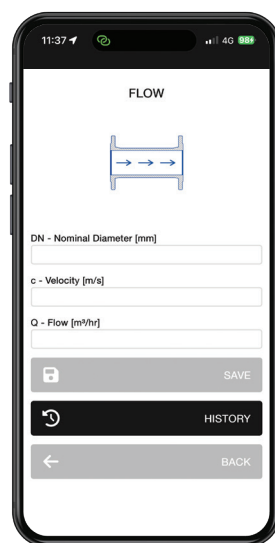
Based on inputting a nominal diameter (DN) in mm and pipe/fitting SDR rating.



### WEIGHT CALCULATOR

A quick reference calculator to identify average weight and area across a tubular length.

Based on inputting a nominal diameter (DN) in mm, pipe/fitting SDR rating, material weight and tubular length.



### FLOW CALCULATOR

Calculating the flow rate, flow velocity or pipe dimension.

Needs two out of three inputs to make the calculator calculate the third – DN-nominal diameter (mm), flow velocity (m/s) or flow rate (m³/hr). It doesn't matter which of the three you type.



### WATER LOSS CALCULATOR

Calculating the amount of water lost through a leakage.

The water loss calculator needs two inputs, the pressure (bar) in the pipe and the hole diameter (mm).

When these two inputs have been typed, the amount of water lost per hour, per day and per year is calculated.



# INSIGHT

Fusion Insight uses a QR/barcode platform, designed to give full traceability of your assets providing the data on each installed asset, and gives the opportunity to review the quality of the installation.

This, combined with a unique GPS pin location and a picture of each installation ensures that you have a complete, accurate and auditable record of every installation. Furthermore, all the data recorded can be exported into standard data formats for integration into existing mapping systems.

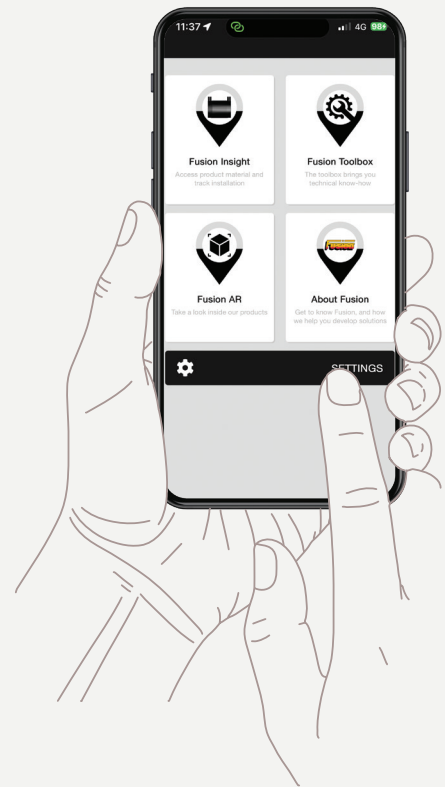
## Full traceability in a few simple steps.

QR/barcodes are critical tools to increase traceability of assets both above and below ground. Fusion Insight is a growing development to capture such barcodes and wider traceability data about an electrofusion fitting, AVK valve or other assets being installed.

Fusion Insight can specifically capture traceability data for an electrofusion asset by scanning the ISO 12176-4 standard barcode system. In addition the app will also record asset location via GPS, core installation parameters and reference images for that asset within one central record.

When a Fusamatic fitting is scanned, the app will even prompt the user to record Fusion's unique QR code which contains an individual fitting number providing enhanced traceability right down to the raw materials used to manufacture the fittings.

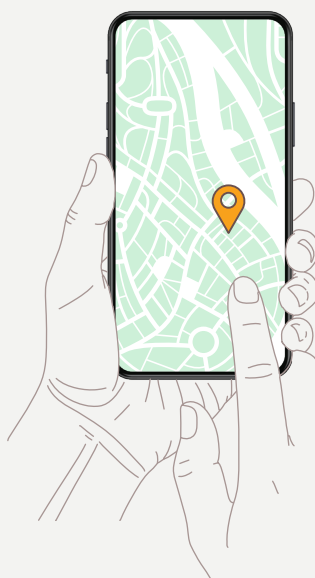
Select Fusion Insight



Scan the QR or barcode



Set the location



Capture the installation





# Fusion Insight is the perfect solution to manage future traceability.

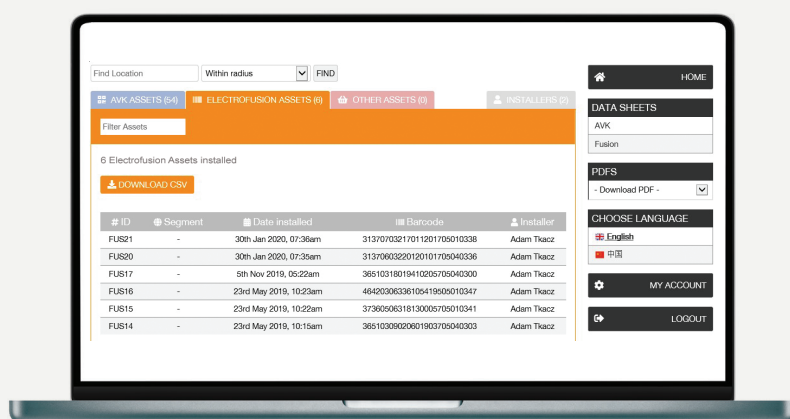
Access to the recorded data collected from the Fusion Assist app is via a user friendly web portal\* which provides at-a-glance accurate records.

- Increased asset traceability
- Record individual asset installations
- Accurate GPS pin location
- Visually audit the installation quality
- Exportable data into standard formats
- Periodic installation audit report available

## THE WEB PORTAL

\* Note: To access Fusion Insight and the dedicated web portal an account needs to be created by our technical team.

For new account requests please email [tech@fusiongroup.com](mailto:tech@fusiongroup.com) to set up your free Fusion Insight account.

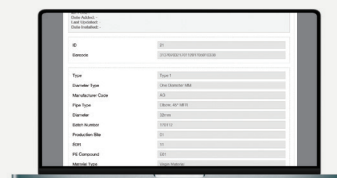
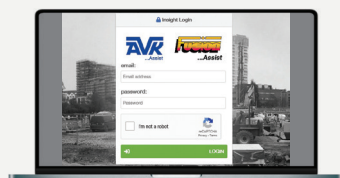


Secure customer login

Mapped asset location

Verify pictorial record

Data records



Fusion Insight, together with our 4mm Fusamatic automatic-pin electrofusion fittings, delivers consistency and control from raw material through to installation.

Offering automatic welding across all markets, this combination provides a clear path to achieving full end-to-end control of the welding process.



## FUSAMATIC PIN

Automatically identifies the correct fusion time and weld parameters. All the operator has to do, is press go.





# AUGMENTED REALITY

Use Augmented Reality (AR) to get inside our product offer.

AR and 3D modelling in general are becoming more and more important within all fields of engineering.

## TRAINING

Product familiarisation using completely manipulatable models is fundamental to product understanding and therefore can assist in the decision making and specification processes.

## BIM PROJECT DESIGN

Building Information Management (BIM) is now becoming the primary design methodology in developed regions with the clear benefit that a scheme can be designed and all issues resolved before anything is built, therefore saving considerable time and cost.

BIM compatible models of Fusion products can be accessed from our website [www.fusiongroup.com](http://www.fusiongroup.com)





# ABOUT

About Fusion includes an insight into the history of Fusion and helps the user to understand our business drivers and strategies. It demonstrates how we can create value for our customer partners within our chosen sectors through our eight customer promises.

- **SOLUTIONS, NOT ONLY PRODUCTS**
- **GLOBAL LEADERSHIP AND LOCAL COMMITMENT**
- **QUALITY IN EVERY STEP**
- **PROMPT RESPONSE**
- **LASTING INNOVATIONS**
- **TOTAL SAVINGS**
- **A LONG-TERM PARTNERSHIP**
- **TO BE EFFECTIVE AND EASY**

## SUPPORT WHERE YOU NEED IT

Our global facility locator makes it easy to find and contact Fusion facilities worldwide, giving you access to support wherever you are.



# GLOBAL LEADERSHIP AND LOCAL COMMITMENT

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