

FUSION ASSIST

MAXIMISING YOUR EFFICIENCY
MINIMISING YOUR COSTS
PROTECTING YOUR SYSTEM



THE SMART WAY...

FUSION GROUP HAS A REPUTATION FOR BEING A LEADING INNOVATOR AND SOLUTIONS PROVIDER IN THE GLOBAL GAS, WATER AND INDUSTRIAL SECTORS. FUSION ASSIST IS THE LATEST INNOVATION THAT DRIVES THIS REPUTATION.

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.

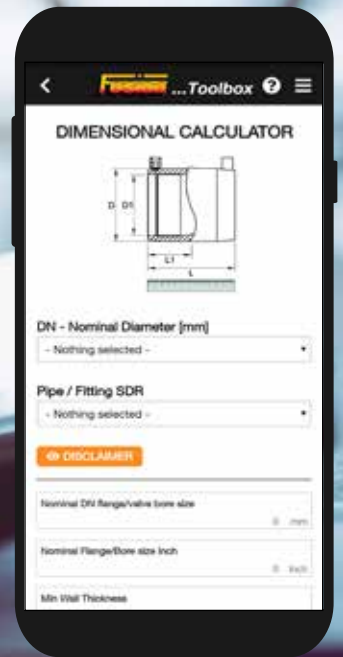
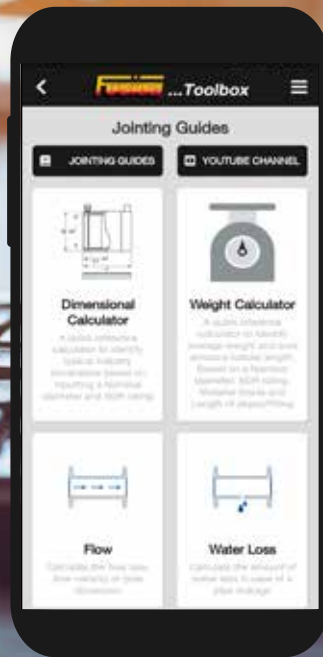
Network management and asset mapping are 2 key subjects highlighted in the majority of utility strategies as ongoing issues, the **FUSION ASSIST** mobile app can make a major contribution on the journey to a resolution of the issues.

FUSION ASSIST is a free app aimed at utility and industrial, gas and water network engineers. The app is made up of 4 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 ...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

a 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.

You can also access the Fusion Group YouTube channel from this area.

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

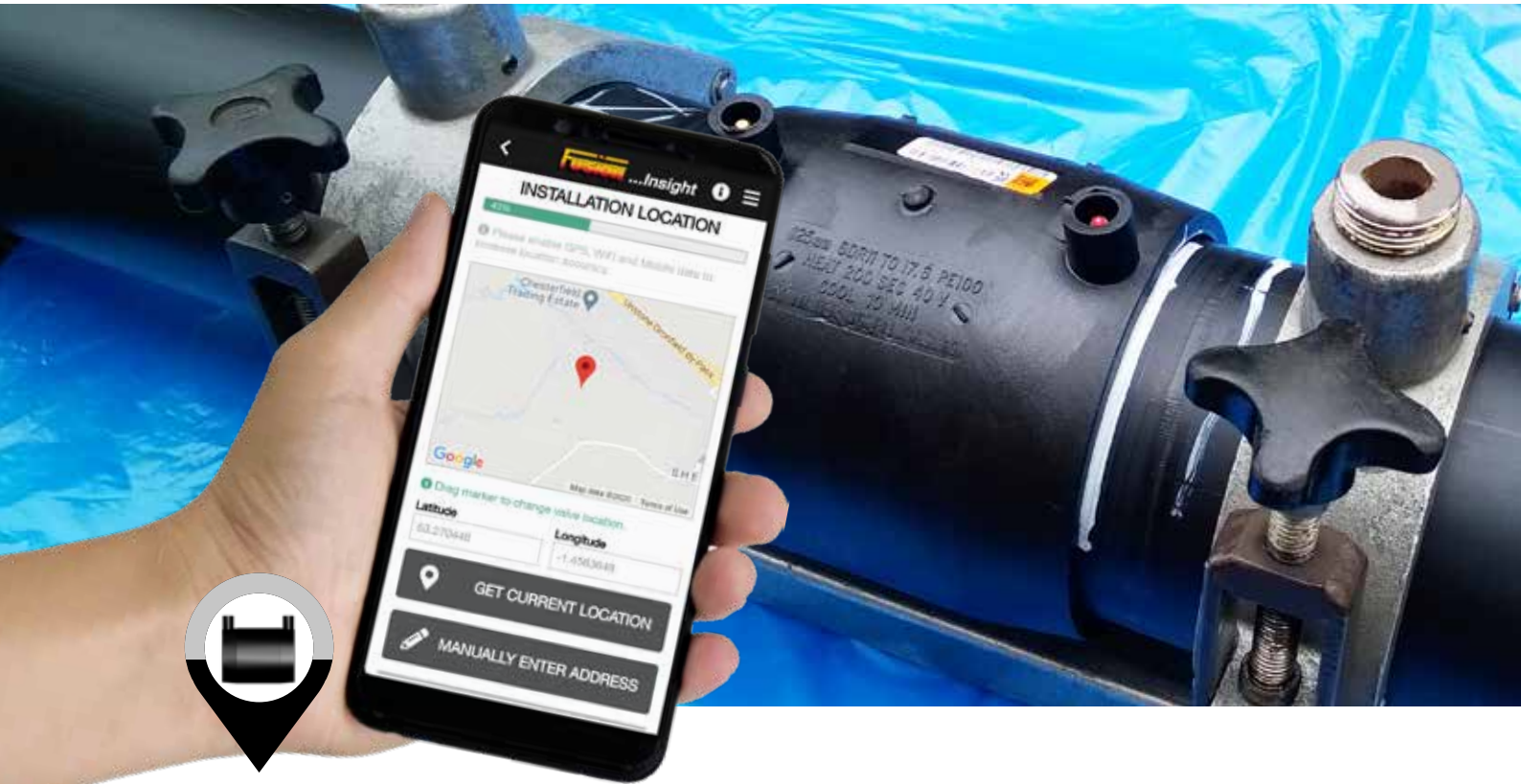
a quick reference calculator to identify average weight and area across a tubular length. Based on inputting a nominal diameter (DN) in mm, pipe/fitting SDR rating, material weight and tubular length.

FLOW CALCULATOR

is 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

is 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.



FUSION INSIGHT IS A COMPLETE ASSET MANAGEMENT SYSTEM

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.

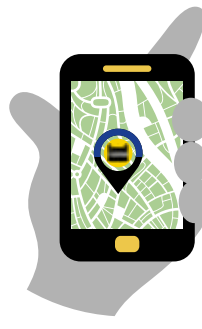
When a Fusamatic fitting is scanned, the app will even prompt the user to record Fusion's unique QR code which contains an individual fitting number providing enhanced traceability right down to the raw materials used to manufacture the fittings.



**SELECT
FUSION INSIGHT***



**SCAN THE
QR/BARCODE**



**SET
LOCATION**



**TAKE THE
INSTALLATION PICTURES**

FUSION INSIGHT IN CONJUNCTION WITH OUR **NEW** 4MM FUSAMATIC AUTOMATIC PIN ELECTROFUSION FITTINGS DRIVES CONSISTENCY AND CONTROL, FROM RAW MATERIAL TO INSTALLING YOUR ASSETS IN THE GROUND.

By providing all markets with the option to weld Fusamatic electrofusion fittings automatically, coupled with the use of Fusion Insight gives you the perfect solution towards end-to-end control over the welding process.



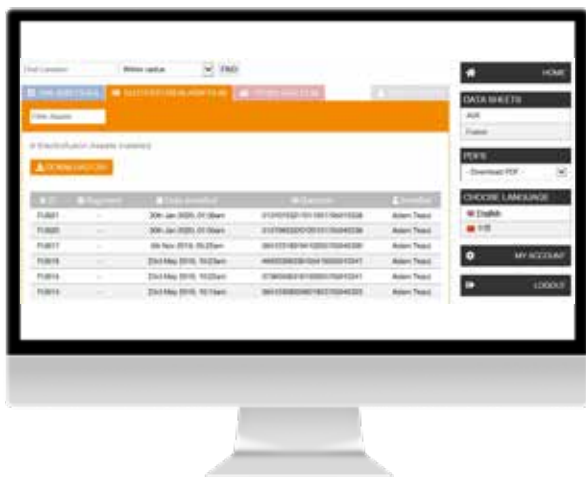
FUSION INSIGHT IS THE PERFECT SOLUTION TO MANAGE FUTURE TRACEABILITY

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 to set up your FREE Fusion Insight account.*



Secure Customer log in



Asset location on map (colours represent different assets)



Verify pictorial record

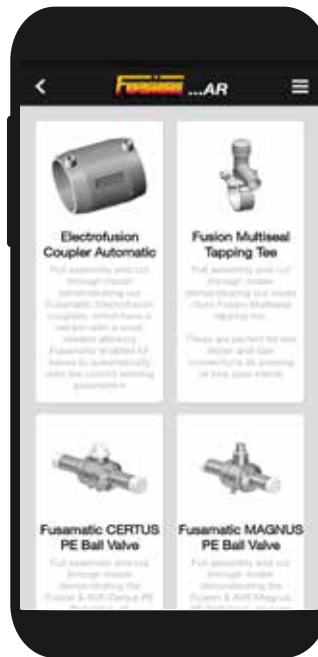


Data record includes: asset type, materials, size, pressure and who installed the asset



FUSION AR USE AUGMENTED REALITY 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

Fusion ...About

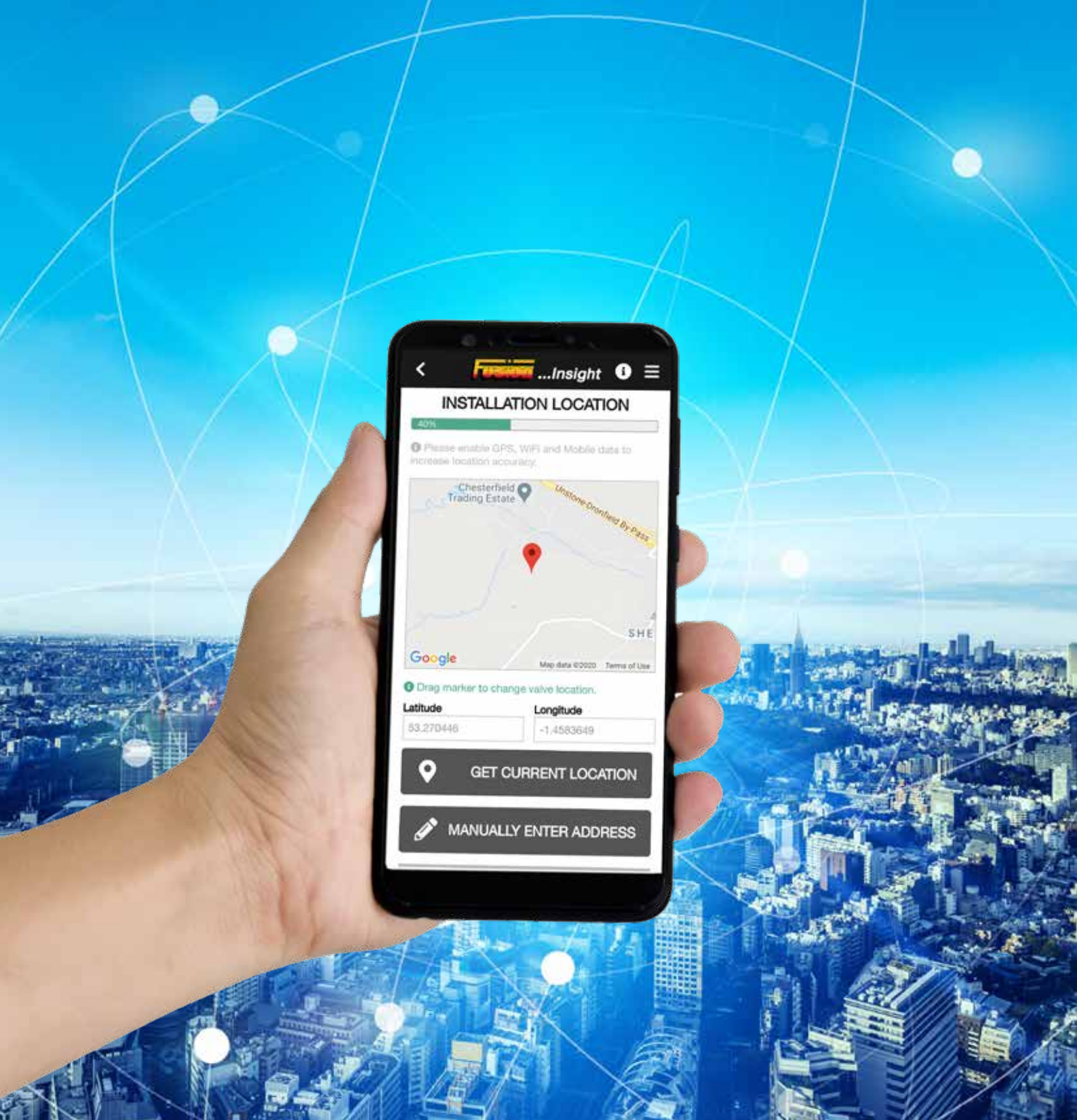


ABOUT FUSION INCLUDES AN INSIGHT INTO THE HISTORY OF FUSION GROUP AND HELPS THE USER TO UNDERSTAND OUR BUSINESS DRIVERS AND STRATEGIES. IT DEMONSTRATES HOW WE CAN CREATE VALUE FOR OUR CUSTOMER PARTNERS WITHIN OUR CHOSEN SECTORS THROUGH OUR EIGHT CUSTOMER PROMISES.

- 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

We also provide a locator of our global Fusion facilities to ensure you can always get hold of us to support you, wherever you are in the world.





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