



Welcome to Amnitec  
**YOUR SOLUTIONS PROVIDER**



Scan now  
to find out  
more about  
Amnitec!

METALLIC CORRUGATED/ BRAIDED HOSE

STRIPWOUND HOSE

COMPOSITE HOSE

BRAIDED FLUOROPOLYMER HOSE

EXPANSION JOINTS

HOSE ASSEMBLIES



## We're on a journey...

Our journey began back in the 1800s and since then we've grown and developed into a **leading manufacturer** of hoses and assemblies.

A global player, each year we supply in excess of 1.5 million metres of flexible hose to projects around the world. As a supplier of choice to many blue-chip companies, our reputation is built on our decades of experience, **unrivalled technical expertise** and commitment to truly being a solutions provider.

## A history of success...

W H Willcox & Co Ltd and The United Flexible Metallic Tubing Co Ltd established in London.

**Late 1800s**

Becomes part of Senior Flexonics, along with TI Flexible Tubes and Compoflex.

**1970s**

Our flagship manufacturing facility in Merthyr Tydfil opens as Phoenix Abboflex.

**1973**

**2019**

We join the Flex-Tek Group, a division of global leader, Smiths Group. We rebrand as Amnitech once again, (with a small 'Y' this time!), a brand our customers recognise as standing for quality, performance and expertise.

**2015**

Arlington Capital Partners of Washington, D.C. acquires the business and rebrands as United Flexible.

**2004**

Senior Flexonics divests its industrial business to AIAC and AmniTec, as it was known then, is born.

### We're here to help...

For help and advice on specifying a hose or on our product range, call the team on

**01685 385641**

or email

[esales@amnitech.co.uk](mailto:esales@amnitech.co.uk)



Amnitech manufacturing facility in Merthyr Tydfil.



## Creative solutions...

Sometimes, you know exactly the solution you need to get things moving again. Other times, the problem is clear, but the solution is harder to see.

Whatever situation your business finds itself in, we can help.

As a **state-of-the-art manufacturer** of innovative hoses and assemblies, we put our technical know-how and in-house expertise to good use, manufacturing our core range of hoses and assemblies, as well as developing **bespoke solutions** to solve specific problems.

From reconfiguring an existing part, to designing and manufacturing a completely new product, through our best practice manufacturing techniques and '**right first time**' approach, we exceed our customers' expectations.

## Quality and performance...

Through our programme of continual improvement, we are committed to refining and updating our processes to ensure every product we manufacture meets our own high standards, **delivers on performance** and is manufactured in the most efficient way possible.

Our purpose-built manufacturing facility in the heart of Wales, UK, offers **significant production capacity**, with our onsite teams able to work around the clock when a project demands it.

Along with our own internal standards, we also work to meet the standards of external bodies too. Some of the accreditations we have been awarded include:



*Manufacturing to the highest standards.*

And of course, the safety of our workforce, as well as visitors to our site, is our number one priority. At all times we always adopt **safe working practices** and empower our team members to challenge unsafe acts and prioritise safety.

Our **online product configurator** can help you decide which metallic hose is right for the pressure in your application. Visit [www.amnitec.co.uk/hose-configurator/](http://www.amnitec.co.uk/hose-configurator/) and put it to the test.



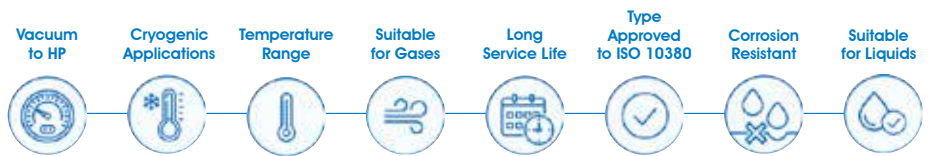
## The Amnitec range...

Best practice manufacturing techniques, along with the highest quality materials, means our range of core and bespoke hoses and assemblies offer performance you can rely on.

Our range includes:



### METALLIC CORRUGATED/BRAIDED HOSE



Suitable for a wide range of applications, our corrugated/braided metallic hose is particularly suitable to conveying aggressive/corrosive fluids.

#### MATERIAL SPECIFICATION

- 321 stainless steel
- 316 stainless steel
- Monel® 400
- Inconel® 625
- Hastelloy® C276
- Incoloy 825



### COMPOSITE HOSE



A durable and reliable choice, our composite hose is made up of layers of tightly wound wire, fabric and film to ensure zero leakage – even in high-pressure applications.

#### MATERIAL SPECIFICATION

- Dependent on application

### Hose assemblies

Precision engineered; our range of hose assemblies are made to exacting standards.

To make maintenance easier, a range of assembly personalisation options are available, including serialisation, date stamping, etched tags and custom printed heat shrink bands.



### Expansion joints

Available in both stainless steel and rubber, our expansion joints are suitable for a wide range of applications. Able to absorb axial, lateral and angular movement, even under low/high pressures and temperatures, they have both static and flexible applications.





Did you know our chemical compatibility calculator instantly shows the materials compatible with the chemicals you need to carry? **Check it out:** [www.amnitech.co.uk/chemical-compatibility-calculator/](http://www.amnitech.co.uk/chemical-compatibility-calculator/)

## STRIPWOUND HOSE

Manufactured to  
BS EN ISO 15465

Flexible

Corrosion  
Resistant

Suitable as  
Electrical  
Conduit

Suitable  
for Liquids

Long  
Service Life



With its high velocity flow, ability to withstand a wide range of temperatures and exceptional corrosion resistance, our range of stripwound hose is a popular choice for exhaust systems, cable armouring as well as for the transit of materials such as grain, flour, sugar and ash.

### MATERIAL SPECIFICATION

- 304 stainless steel and galvanised steel
- 316 stainless steel
- 321 stainless steel
- Ultra-heavyweight Inconel® 625



## BRAIDED FLUOROPOLYMER HOSE

Flexible

Suitable Broad  
Chemical  
Resistance

Long  
Service Life

Non-Stick

Ultra-Low  
Friction

Lightweight

Non-  
Contaminating



With a wide range of applications, our braided PTFE range is a popular choice and includes convoluted easy bend braided PTFE, general purpose smoothbore braided PTFE and heavy duty smoothbore braided PTFE.

### MATERIAL SPECIFICATION

- PTFE
- PFA
- FEP
- ETFE



## Original equipment parts

As an experienced OEM, we work to your exacting specifications and can bulk manufacture engineered parts branded to your requirements.

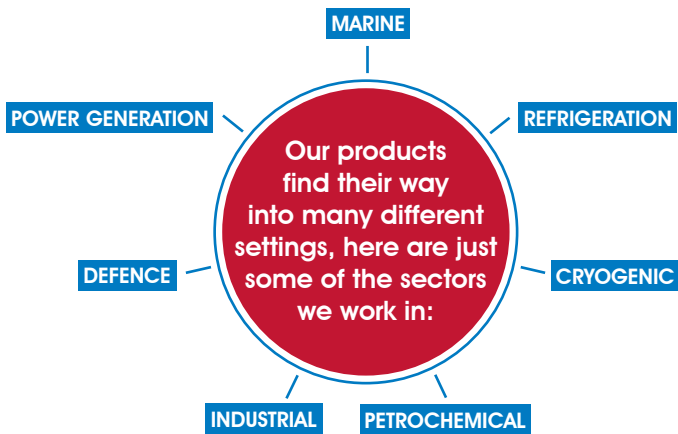


Visit [www.amnitech.co.uk/products](http://www.amnitech.co.uk/products) for comprehensive information on our complete range or call the team on **01685 385641** to discuss your requirements.



## Proven expertise...

Our expertise goes beyond the hoses and assemblies that we manufacture. Through our experience in **building partnerships** with businesses of all sizes across a wide range of sectors, we have a wealth of knowledge on how our products can impact the industries we serve.



Working with our customers, **we deliver high-performance, reliable solutions** that meet the diverse challenges of each industry.

Always keen to lead, we have been at the forefront of developing products that can be used in **green energy applications**.

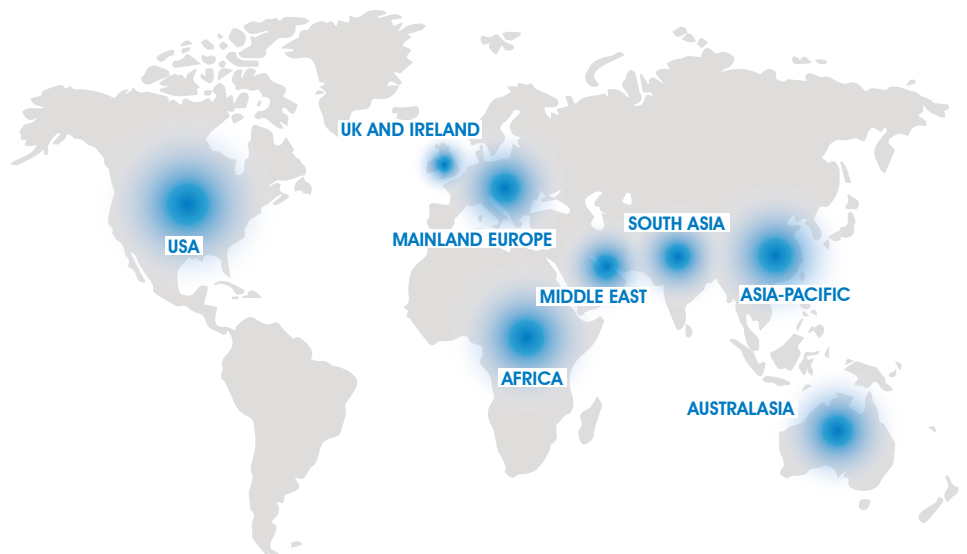
From nuclear power stations to energy-from-waste incinerators, from wind turbines to wave energy generators, Amnitec products are at the **cutting edge** of the drive to harvest energy from sustainable sources.

## Going beyond...

From our UK-based manufacturing plant we design and manufacture a wide range of hose and assemblies, including **bespoke solutions** for customers around the world.

Our highly experienced team bring their wealth of technical know-how and engineering expertise to every product they work on. Ensuring that our products deliver the **performance, reliability and durability** that our customers expect – wherever they are.

### The areas we operate:



Find out more about the industries we operate and how we can help support your business by calling **01685 385641** or emailing **esales@amnitec.co.uk**



## Working in partnership...

There are times when a standard solution simply won't do. And at times like these you need a supplier capable of **delivering innovative solutions** that meet the needs of your application.

Which is where we come in.

With a wealth of in-house expertise, built over many years, our team are on hand to work in collaboration with the businesses we supply. Working as an **engineering partner**, we develop high-performance solutions for even the most demanding of applications.

From the early planning stage through to advanced CAD components and assembly drawings, our **bespoke design and manufacture service** takes care of every stage of the process to ensure the result is a bespoke solution that **solves problems and enhances performance**.

Our purpose-built manufacturing facility boasts **significant production capacity**, with our onsite teams able to work around the clock when a project demands it.



*We work in collaboration with our customers.*



*Design and manufacture service for bespoke solutions.*

Have a specific problem in need of solution? Our **bespoke design and manufacture service** is available. Get in touch with a member of the team to discuss your requirements: **01685 385641** or email **esales@amnitec.co.uk**



# Amnitec

**01685 385641**

**[esales@amnitech.co.uk](mailto:esales@amnitech.co.uk)**

**[www.amnitech.co.uk](http://www.amnitech.co.uk)**

Find us on: **f in**

Abercanaid, Merthyr Tydfil,  
CF48 1UX



PLEASE RECYCLE  
THIS BROCHURE