

EXSOLUTIONS®

Hazardous area

EXperts

DSEAR, ATEX, IECEx, UKEX and more

Comprehensive support for equipment suppliers/OEMs and end users

**Supporting
you on your
journey to EX
compliance**





EXSolutions is a member of the Pioneer Safety Group that provides industrial safety solutions to businesses all over the world.

Headquartered in the UK

All brands share the same values, driven by a clear purpose of protecting people, their investment and our environment.

EXSOLUTIONS[®]

Onsite hazardous area consultancy services and explosion proof product manufacturing support.

PYROBAN[®]

Ex Power Systems, ATEX materials handling conversions and more.

Ex-tech[®]
SOLUTION

Electrical enclosures, controls and components for hazardous areas.

PYROPRESS[®]

Switches and transmitters for monitoring pressure, temperature, level and more in hazardous areas.

Ex-tech[®]
SIGNALLING

Audio / visual warning solutions including explosion proof beacons, sounders, push buttons and more.

Petrel
.....*

Explosion proof lighting products and services.

SERVING INDUSTRY GLOBALLY: NUCLEAR - MATERIALS HANDLING - FOOD & DRINK - ENERGY - DISTILLERIES - LOGISTICS - MANUFACTURING - CHEMICALS - COATINGS - INKS - DEFENCE - PHARMA - COSMETICS - WASTE

EXpert help when you need it.



Whether you handle flammable materials onsite, or supply equipment and products into a hazardous area, EXSolutions® can help. It's our job to optimise safety and ensure compliance.

EXSolutions for businesses handling flammable material

ATEX / DSEAR (UK)

EXSolutions helps companies improve safety processes and comply with DSEAR (UK) or ATEX through hazardous area classification, DSEAR risk assessments, ignition hazard assessments, ATEX audits, training and other site support services.

EXSolutions for OEMs / suppliers of products

ATEX / IECEx / UKEX

We can take a standard product and help make it ATEX compliant (or IECEx, UKEX or other) so that it is safe for use in potentially explosive atmospheres.

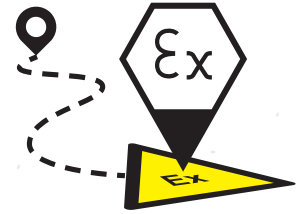
We can support completely, or help with specific activities.

Tell us about the challenge you want to solve



The EXSolutions team is available to support with specific tasks or complex turnkey projects

Talk to us on:
+44 (0) 1273 456800



Hazardous area **EX**perts

DSEAR Risk Assessments

We provide DSEAR inspections and site assessment support helping any business on their journey to DSEAR compliance.

Hazardous Area Classification (HAC)

We conduct HACs to determine the size and specific type of DSEAR / ATEX 'Zone'.

We can also help you then comply.

Ignition Hazard Assessments

Our expert engineering teams can help end users assess critical equipment to determine if it is still safe for continued use in EX zoned areas.



“The aim of DSEAR is to protect your workers from the risks of fires, explosions, and other dangerous incidents that may occur because of the storage, handling, or use of dangerous substances.”

Our focus for our hazardous area services is in the UK, but we can support internationally.

We work closely with clients to ensure workplace safety is the number one priority, providing peace of mind and demonstrable ATEX / DSEAR compliance.

As a UK employer, you are legally required to comply with DSEAR under the Health and Safety at Work Act, 1974.

If you're a business owner or Director with flammable or dangerous substances on your site, then DSEAR applies to you.

That's the Dangerous Substances and Explosive Atmospheres Regulations, the UK implementation of the ATEX Directives.

But what if you've been operating for years without knowing about DSEAR?

It happens—often.

The first step is a DSEAR Risk Assessment - reviewing your processes and substances against safety criteria. This should be carried out by a competent person with hazardous area experience, like EXSolutions.

Our team can support all aspects of compliance and provide specific support where needed.



On your site, at
our premises
and online

ATEX & DSEAR Training

By creating bespoke training courses, every member of your team will receive ATEX training that everyone can relate to and use in their day to day activities. Training for either gas or dust hazards.



Bespoke ATEX / DSEAR training

Whether you need to train your duty holders and senior management, factory floor operators, administrators and office personnel, we can provide courses specific to your operation to help you fulfil competency requirements.



Training for engineers

We provide ATEX training for engineers, developing them to be “competent” in line with ATEX Directives to work on explosion proof products and equipment.



TALK TO THE TEAM ABOUT DEVELOPING TRAINING
COURSES FOR YOUR SPECIFIC OPERATION

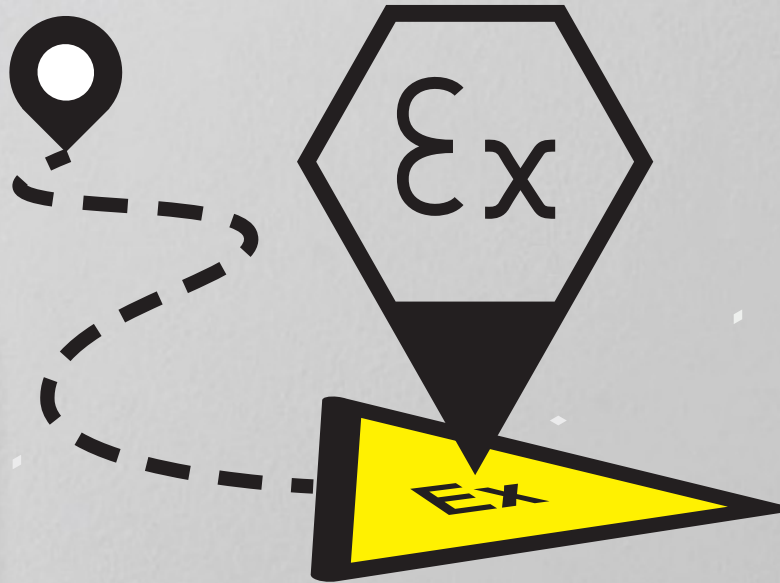
OEMS & SUPPLIERS

ATEX

If you need ATEX, IECEx or a local regulation, we can help support you getting a product to market

If you have no experience, no problem!

It's our aim to make the journey to explosion protection for your product as easy as possible.



NOT SURE? TALK TO US.

Did you know that standard phones, cameras, CCTV, computers, forklifts, lights, light switches, mechanical and electrical products such as transmissions, well service equipment, systems, vehicles, MEWPS, reciprocating engines, gas turbines and many other products could cause an ignition?

EX product design & manufacturing

If you've got a great product but your customer wants to use it in a hazardous area, we can help. We can take a standard product and make it ATEX compliant (or IECEx, UKEX or other) so that it is safe for use in potentially explosive atmospheres. We can support completely, or with specific activities.

What we help with

At EXSolutions, we have comprehensive engineering capabilities and EX experience across both mechanical and electrical applications, coupled with deep expertise in the application of EN / IEC 60079 and EN / ISO 80079 standards. These services are available to any business wanting to overcome their complex safety and Ex compliance challenges.

Whether we convert your product, or help you build an EX product on your own production line, it's our business to make explosion protection safety possible, on your journey to compliance.

How we do it

Here at EXSolutions, we see all sorts of products and equipment from customers who want an ATEX or IECEx version of their goods.

We follow our four-stage process called Phase 1 to Phase 4 (P1-P4).

So whether it's a drone or a camera, a robot or something different, we follow the same process and help get the product through the highly regulated process. We support with:

- Product design
- Manufacturing support
- Supply chain support
- Complete conversion and more

P1

First, we listen and understand the product development requirements. We request documentation, ask questions and agree a scope.

P2

We then assess the product or equipment to understand what components could be the source of an ignition, look at statutory risks and document findings.

P3

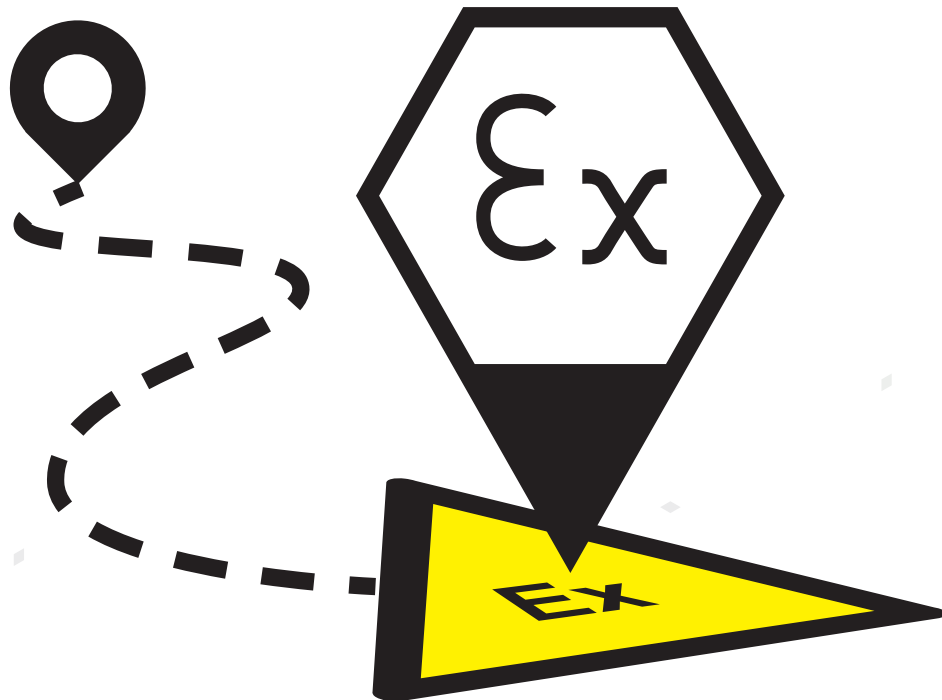
We continue product assessment and suitability for the application of different protection concepts. We do clause by clause assessments against relevant standards and much more.

P4

We can then help get the product ready for market. Often, we commit to produce prototypes, and set out manufacturing controls or periodic testing for integrity. We also include the marking, documentation and certification in this stage.



**Supporting you on
your journey to EX
compliance**



For when EXcellence matters

EXSolutions® is a Pyroban® brand and member
of the Pioneer Safety Group®.

EXSOLUTIONS®

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