



**ANGUS
FIRE**

A UTC Fire & Security Company

Fire Fighting



Global innovation in fire fighting

Angus Fire is a global leader in fire fighting technology with a long history of pioneering innovation. The company occupies a unique world position in the development and manufacture of fire hose, foam concentrates and fire fighting equipment.

Our history in manufacturing fire protection products can be traced back over two hundred years, and we have continued to innovate using the latest technology to develop high quality, high performance products. We now have customers in over one hundred countries spread across a wide range of industry sectors, serviced by an unrivalled worldwide distributor network.

Angus Fire has maintained its position at the forefront of fire protection technology through continuous investment in research and



development from our laboratories and fire test facilities in the UK. Our unique combination of technical expertise in rubber and textile technology (fire hose), speciality chemicals (foam concentrates) and engineering design (fire fighting equipment) has enabled us to achieve numerous technological 'firsts'.

Angus Fire is a leading brand within United Technologies Corporation, a Fortune 50 Company (NYSE:UTX), headquartered in Connecticut, USA, which provides fire safety and security solutions to more than one million customers around the world.

Our pedigree is second to none. Our products of the highest quality. Our service first class.

Angus Fire is Fire Fighting.



- **Flamefighter** – First Reinforced Rubber Lined (RRL) layflat fire hose
- **Duraline** – First maintenance-free covered layflat fire hose
- **Hi-Combat AF120** – First mobile foam unit
- **Petroseal** – First Film-Forming FluoroProtein (FFFP) foam concentrate
- **OM1** – First water turbine-powered oscillating monitor
- **FP70 Plus/Tankmaster** – First Fluoroprotein (FP) foam concentrate specially developed for use on MTBE
- **Alcoseal 3-3** – First 3% multipurpose Alcohol Resistant FFP
- **Uniductor** – First portable foam inductor for the different viscosity characteristics of standard and Alcohol Resistant foam
- **Niagara** – First UL Listed newtonian multi-purpose 3-3 foam concentrate
- **Syndura** – First operational fluorine-free foam
- **Turbex FT2** – First Hi Ex generator for LNG use to pass the NFPA 11 fire exposure test



Fire protection wherever you need it

Angus Fire products are purpose-designed for the protection of life and property in a wide range of applications. Our extensive experience over many years of supplying fire fighting equipment and foam concentrates to numerous high risk sectors means that we are able to provide effective solutions to any fire hazard.

Angus foams and foam equipment provide highly effective protection for petrochemical storage tanks and refinery process plant. The availability of a wide range of protein and synthetic foam types, with their high performance extinguishing capabilities, and resistance to fuel contamination, mean that the most effective foam formulation can be supplied to provide optimum fire suppression to protect any hazard. Tankmaster foam is one of

our flagship products, and the industry standard for fighting hydrocarbon storage tank fires along with a range of rimseal and top pourers for storage tanks, medium expansion pourers for bund protection and fixed, oscillating or mobile monitors for applying foam from a safe distance.

Municipal and industrial fire and rescue services require a comprehensive range of fire fighting products to equip their appliances; Angus Fire can supply all these requirements in full, from Duraline hose, branchpipes, nozzles, inductors and portable pumps, to multi-purpose foam such as Niagara. Our Duraline Hi-Vol hose delivers large volumes of water rapidly and efficiently.

Civil and military airport fire services need to be able to deal quickly with hydrocarbon spills

and fires, and Petroseal FFFP foam provides the answer, with rapid fire knockdown and high level of security against re-ignition. With our range of foam making equipment, Duraline and Hi-Vol hose, Angus products provide a high level of confidence and safety for fire fighters in all emergency situations.

Angus Fire's Building Protection products include fire extinguishers, hose reels, pillar hydrants, breechings, landing valves, cabinets and accessories, for installation in commercial and industrial premises.

From global oil and gas companies to local municipal fire and rescue services, Angus Fire has built strong relationships with a large and diverse customer base across the world.





World-class fire fighting equipment

Angus Fire is the world's largest manufacturer of layflat covered fire hose with over 35 million metres of our leading brand Duraline supplied worldwide. By continuous development of rubber specification and 'through the weave' manufacturing, our hose products provide the ultimate in durability and performance.

We are also the world's leading manufacturer of fire fighting foam concentrates for flammable liquid fire protection. These are approved to International Standards and designed to have a low environmental impact. Our large range of protein and synthetic foam concentrates means we can provide the best solutions for our customers' applications.

Angus Fire has a comprehensive range of low-maintenance foam proportioning, foam-

making equipment and delivery devices for portable, mobile and fixed applications. The company manufactures an extensive range of portable pumps for fire fighting and flood relief operations, and our building protection products provide a comprehensive range of fire equipment including extinguishers, rising mains systems, hose reels and fire equipment cabinets.

The majority of our products are approved by international organisations. We hold third party accreditation to BS EN ISO 9001:2008 Quality Management System. All raw materials, components and finished products are rigorously tested and inspected to ensure consistent reliability and fire performance.



FIRE HOSE

A complete range of fire hoses including the world's leading covered fire hose Duraline

WATER DELIVERY HOSE

Hi -Vol large-diameter hose and associated deployment equipment

FOAM CONCENTRATES

Environmentally responsible foam concentrates

FOAM EQUIPMENT

Foam proportioning and delivery devices for portable, mobile and fixed applications

MONITORS

Portable, mobile and fixed monitors

FIRE FITTINGS

Nozzles, valves, connectors and adaptors

PORTABLE PUMPS

For fire fighting and flood relief operations

BUILDING PROTECTION

Rising mains systems, hose reels and fire equipment cabinets

EXTINGUISHERS

Portable and wheeled extinguishers



Supporting our customers with specialist services

Angus Fire has a wealth of technical knowledge and support is provided alongside our products by specialists and well-trained sales teams. Our global business is further supported by an international network of trained and technically competent distributors.

In addition, we provide two critical specialised services to our customers:

Foam Testing Service

Foam testing is crucial in ensuring that stocks of foam concentrate held in long-term storage are in good condition. The only way to ensure that foam concentrate is fit for purpose is by testing the integrity and performance of the foam.

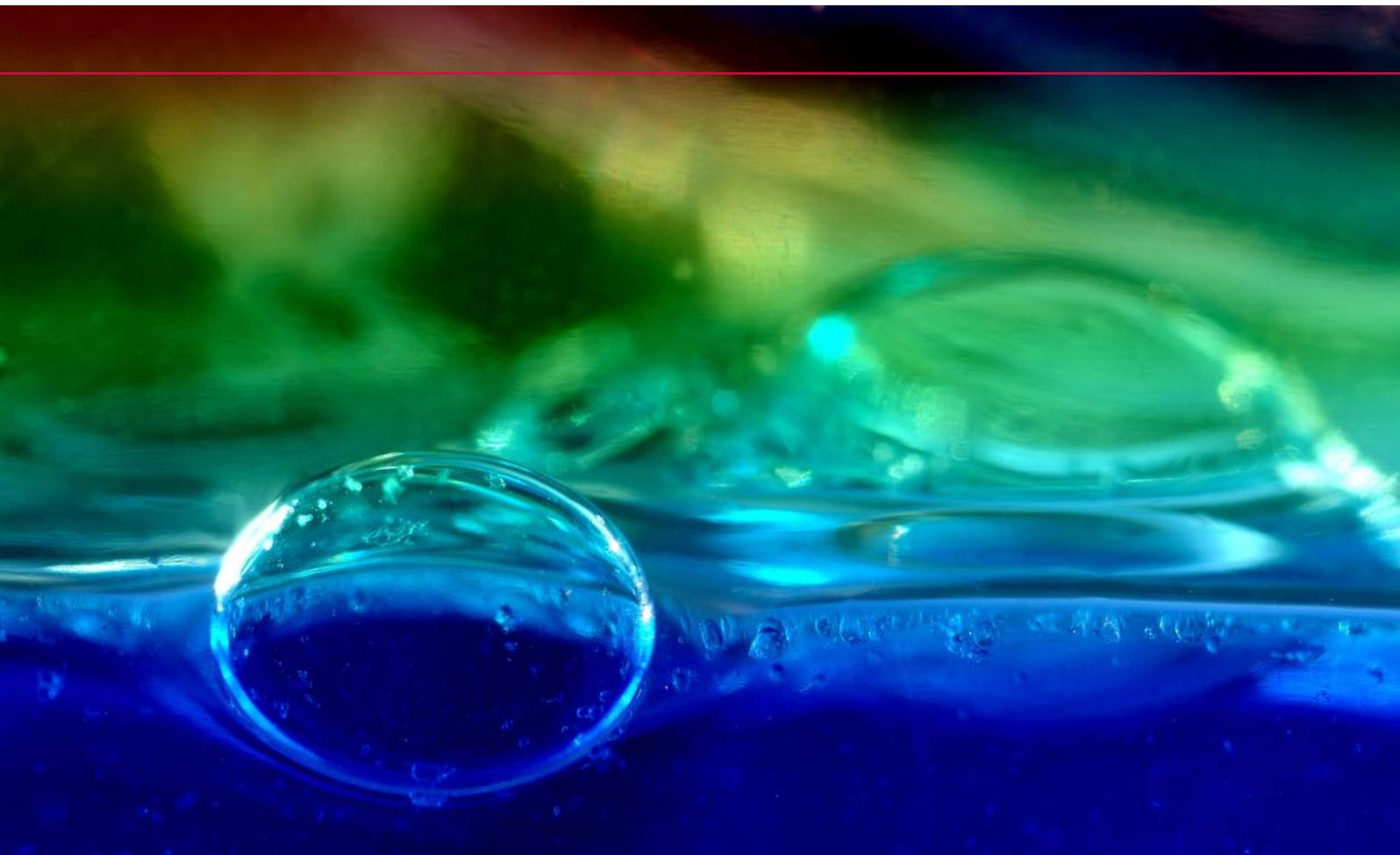
Foam users worldwide submit samples of foam concentrate to the Angus Fire Foam Testing Service as part of their regular maintenance programmes. Our team of highly qualified scientists and technicians in modern, purpose-built laboratories analyse to the highest standards, samples of all types of foam. With knowledge and experience of evaluating foam over many years, Angus Fire staff are uniquely placed to interpret the results and provide reliable recommendations about the quality and suitability of the foam to perform effectively.

Emergency Service

In the event of a major incident, the Angus Fire Emergency Service can deliver urgently needed stocks of foam concentrate and fire fighting equipment to sites worldwide. A dedicated emergency hotline is manned 24-7. Bulk foam stocks are held in constant readiness at foam production facilities and distribution centres in the UK, France, USA, South Africa, Dubai, Singapore and Australia.

Depending on the scale and location of the incident, delivery by road can often be co-ordinated within an hour and by air freight within a few hours. Foam production staff are on constant stand-by to produce additional supplies of foam. In recent years, Angus Fire has supplied foam concentrate to major incidents in Japan, Spain, Turkey, Libya and the UK.





A responsible corporate outlook

Angus Fire has a long established track-record of incorporating environmental technology into its new product development.

Environment

The company's commitment to minimising the environmental impact of its products is integrated back into managing and monitoring sound environmental practices at all its manufacturing plants. These practices include energy management, waste minimisation, raw materials management and minimising environmental emissions. Independent research found Petroseal to be the most environmentally friendly of all the foam concentrates tested, and Angus Fire was the first foam manufacturer in the world to sponsor a seminar programme on the environmental impact of fire fighting foam.

Employees

Many of the company's technical staff are acknowledged experts in their fields and are members of national and international standards committees such as NFPA, CEN and ISO.

Corporate Responsibility & Ethics

Angus Fire is committed to delivering effective solutions that help keep people and property safe, and it is why we work every day on improving our products and developing new technologies. We apply a broad ranging code

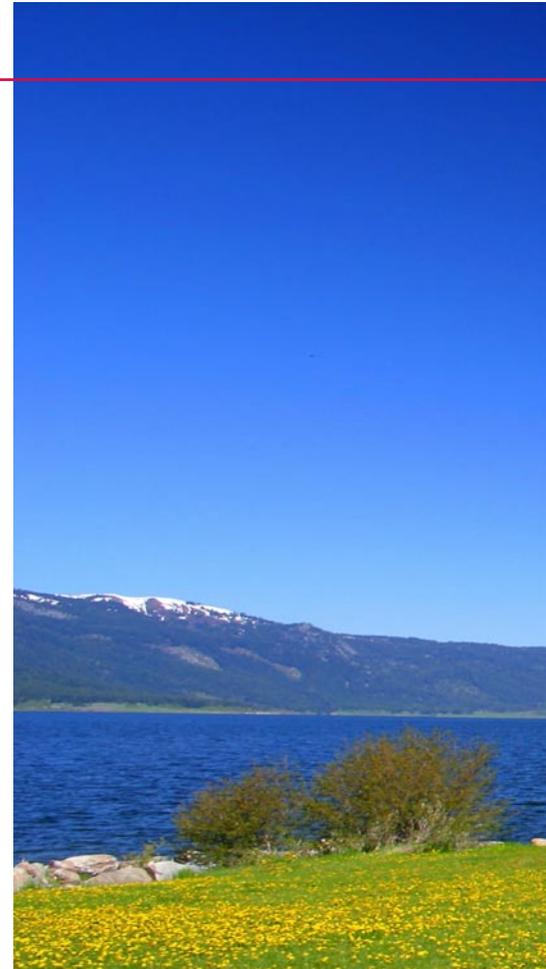
of ethics to our business decisions and employ professionals to guide our managers and employees on ethical business practices.

Achieving Competitive Excellence (ACE)

Angus Fire is committed to Achieving Competitive Excellence (ACE). ACE is our proprietary operating system to ensure world-class quality in our products and processes. With relentless focus on increasing efficiency and reducing waste, ACE is integral to the company's performance model. Our facilities worldwide are using the operating system to improve quality and customer satisfaction.

Memberships

Angus Fire is a proud and active member of the following organisations:
FIRESA – Fire & Rescue Suppliers Association
FOBFO – Federation of British Fire Organisations
JOIFF – Joint Oil Industry Fire Forum







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