



Welcome to our world of  
**fire safety**



**fomtec**  
Fire Fighting Foams & Equipment



Foam concentrates and foam systems for  
**all applications**

#### **SYNTHETIC FOAM CONCENTRATES**

AFFF 1%, 3%, 6%  
AFFF ARC 1x1, 1x3, 3x3, 3x6, 6x6  
Multi purpose MB5, MB15, high expansion foams  
Class A foams and ready to use-foam solutions  
- UL, FM, EN, ICAO, LASTFIRE and SOLAS approvals

#### **PROTEIN FOAM CONCENTRATES**

Protein 3%, 6%  
Flouro protein 3%, 6% FFFP 3%, 6%  
FFFP ARC 1x3, 3x3, 3x6  
- UL, FM, EN, ICAO, LASTFIRE and SOLAS approvals

#### **PORTABLE FOAM HARDWARE**

Nozzles and branch pipes  
Inductors  
Portable water / foam monitors  
Trailer mounted water / foam monitors

#### **FIXED FOAM HARDWARE**

Fixed water / foam monitors  
Inductors and proportioners  
Foam systems  
Foam proportioning systems  
Tank protections  
High expansion system

#### **DRY CHEMICAL POWDERS**

ABC-powders  
BC-powders  
D-powders  
- EN 615 approvals

#### **SERVICES**

In-house product training  
Customer seminars  
Customer seminars for distributors  
System design  
Foam lab analysis

#### **PRE-ENGINEERED SYSTEMS**

Foam  
Powder  
Twin agent  
Inert gas

#### **FIRE PRODUCTS**

Fire hoses and nozzles  
Pumps  
PPV-fans

Regardless of your application, Dafo Fomtec AB has the right product. We can provide the right foam for your existing facility or a full scale solution combining foam and hardware.

### **Aviation**

Airport fire scenarios can involve hundreds of passengers and large volumes of highly flammable jet fuel. Strict regulations ensure ultra rapid response and high capacity fire fighting capability and a vital element is fire fighting foam.

Foams certified to the International Civil Aviation Organization (ICAO) standard ensure the rapid extinguishment required. The test criteria is a 60 second fire extinguishment of the test tray, as opposed to 180 seconds in the European standard EN 1568 and ISO standards. We strongly recommend the use of ICAO approved high efficiency foams for all airports.

Dafo Fomtec AB produces high quality products certified to the ICAO standard.

### **Industry**

Dafo Fomtec AB has a wide range of foam products for all types of flammable liquids found in industries of today. We supply and service customers within Oil & Gas, Chemical, Pharmaceutical, heavy industries and other industries handling, transporting, processing or storing flammable liquids. The responsibility for protection of life, property and the environment demands the right equipment, systems, and the right foam.

Selection of the correct foam must be based on the type of flammable liquids. Fires in water-immiscible fuels can be extinguished by use of high quality AFFF, FFFP or regular synthetic foam. Fires in polar solvents require alcohol resistant foam. All these are available at Dafo Fomtec AB and we work closely with our customers to select the correct foam.

### **Marine**

Marine fire fighting requires marine approved foam concentrates. Dafo Fomtec AB has a wide range of

foams approved for oil and chemical tankers as well as general fire fighting and engine room protection. Our distributor network provides foam to the sailing fleet, and we provide foam concentrates and systems components to the ship building industry around the world.

### **Municipal Fire Brigades**

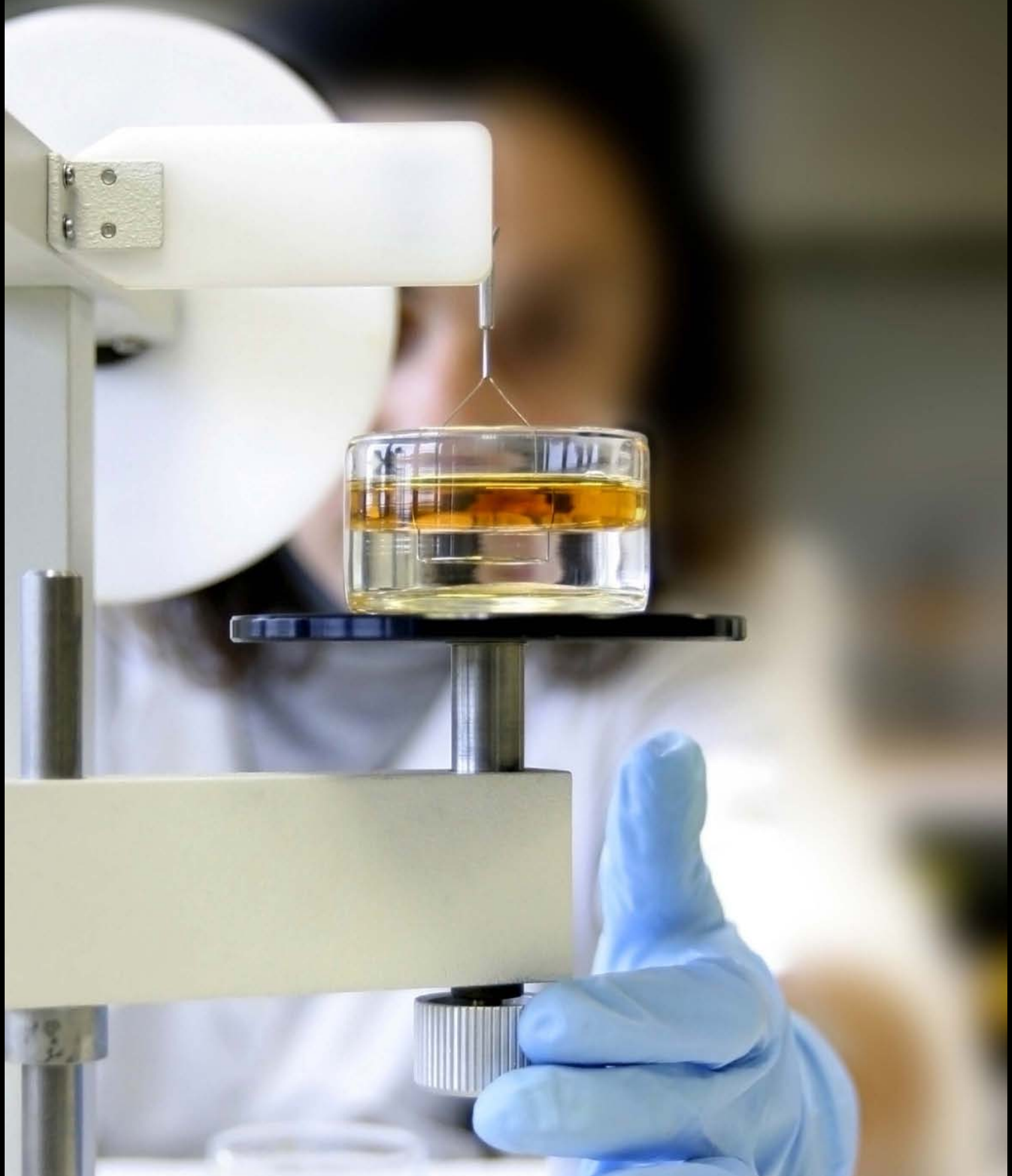
Municipal Fire Brigades may be confronted with fire hazards involving flammable or hazardous liquids. The selection of foams should be based on local fire hazards as well as spills and leakages from road or rail accidents within their area. This usually calls for the use of multi purpose alcohol resistant foam that can handle hydrocarbon as well as polar solvent fires.

Fire Brigades are increasingly using Class A foams when fighting fires in fibrous materials or in forest fires. Their wetting properties at low concentration are a highly useful tool in maximizing the use of water in post-fire operations. A Class A foam is a natural part of any fire brigade inventory.



# Research

and development



The usage of foam as a fire fighting media has been known for more than 100 years but new types are still needed. We have to take new regulations, new demands, new equipment and new fuels into consideration. Continuous development work has provided us with a strong product portfolio with a wide selection of products with different performance and certifications. Beside our basic product portfolio, we also have tailor-made adaptations and modifications to suit special requirements.

### **Environment**

Environmental issues are becoming more and more important. At Dafo Fomtec AB we look at our constituent substances to optimize the environmental profile of our products. Raw materials from renewable resources are maximized. It is important to keep all ingredients to as low a limit as possible in order to minimize environmental impact and still have good foam with strong fire fighting properties. Hence, we promote environmentally friendly training foams purely developed from compounds originating from natural sources and recommend using the powerful fire fighting foams only when needed.

### **Performance**

Selecting fire fighting foam is to seek optimal performance for the application. This can be related to many different aspects of foam. In one case, the most important factor is to have foam with freeze-protected to very low temperatures. In other cases the extinction and burn-back resistance is the prime function. Often, a combination of different features is requested. For that reason we constantly develop our product portfolio to meet the demands of our customers.

### **Development**

The most important parameter of foams is a quick and easy extinguishment of a fire. In order to fulfill this mission a lot of tests have to be carried out on new developments. New foams also undergo severe tests regarding storage stability where they are evaluated at both high and low temperatures.

### **C6 chemistry**

First of all, it is important to state that Dafo Fomtec ABs foam formulations have never included substances containing PFOS. The issue with PFOS and other related substances are now history. The old type of

fluoro-surfactants has now been phased out and replaced with the new C6 chemistry that utilizes telomerisation process in production. This new generation of fluoro-surfactants based on C6 chemistry has been extensively investigated regarding its health and environmental impact. The result from these evaluations shows that the compounds and their break-down products are not toxic and are not bio-accumulative. Dafo Fomtec AB has invested a lot of research effort to implement the new C6 based fluoro-surfactants in the formulations. A lot of time has been spent evaluating the fire performance of the new formulation to assure that the products will perform as expected. The work with re-formulating is now complete and we are ready to supply.

### **Fluorine free foams**

Fluorine free foam concentrates are nothing new on the market. They have been around for several years but the interest in them has risen due to the debate of fluorine surfactant in general and PFOS in particular. What is new is a lot higher expectation and requirement on fire performance for the fluorine free foams. To meet the new demand Dafo Fomtec is investing a lot of R&D efforts to develop new fluorine free alternatives with high fire performance. In a near future we will launch new generation of fluorine free



products with high fire rating. However, this will not conclude our development work. We know that these new types of foam have to be improved and our intention is to be among the market leaders in this segment.

High quality foam concentrates for  
**professionals**



Dafo Fomtec AB manufacture a complete range of high quality approved and documented fire fighting foams of both synthetic and protein base. Regardless of your application Dafo Fomtec AB will have the right foam to cover your needs. Below we show a small selection of our wide range. Please have a look at our web site [www.fomtec.com](http://www.fomtec.com) or contact our sales team for more information.

**Synthetic Foam Concentrates**

**FLUORINE-FREE**

- FOMTEC ENVIRO 3x3 ULTRA  
3% Multipurpose, alcohol resistant foam
- FOMTEC LS EXP  
1 to 3% High, medium and low expansion foam
- FOMTEC TRAINER E-LITE  
1-6% Training foam

**FLUORINATED**

- FOMTEC AFFF 1% ULTRA LT  
1% Aqueous film forming foam
- FOMTEC AFFF 3% S  
3% Aqueous film forming foam
- FOMTEC AFFF 6% ULTRA  
6% Aqueous film forming foam
- FOMTEC ARC 1x1 INV  
1% Newtonian alcohol resistant  
Aqueous film forming foam
- FOMTEC ARC 1x3  
1-3% Multi purpose, alcohol resistant,  
Aqueous film forming foam
- FOMTEC ARC 3x3 S  
3% Multipurpose, alcohol resistant,  
Aqueous film forming foam
- FOMTEC ARC 3x6  
3-6% Multi purpose, alcohol resistant,  
Aqueous film forming foam

**Protein Foam Concentrates**

**FLUORINE-FREE**

- FOMTEC P 3%  
3% Protein foam
- FOMTEC P 6 %  
6% Protein foam

**FLUORINATED**

- FOMTEC FP 3% UL  
3% Fluoroprotein foam
- FOMTEC FP 6% UL  
6% Fluoroprotein foam
- FOMTEC FFFP 3%  
3% Film forming fluoroprotein foam
- FOMTEC FFFP 6%  
6% Film forming fluoroprotein foam
- FOMTEC FFFP ARC 3x3 NV (AVALANCHE)  
3% Newtonian alcohol resistant  
Film forming fluoroprotein foam
- FOMTEC FFFP ARC 3x3  
3% Alcohol resistant  
Film forming fluoroprotein foam



# The environmentally friendly foam from Dafo Fomtec AB

Foam type	Also available as		Benefits	Storage Tanks			Process Areas		Ware- house	Loading Areas	Class A
	Conc.	Freeze Protected		Foam Chambers	Sub Surface	Moni- tors	Moni- tors	Spray Systems	Sprink- lers	Sprink- lers	Hand- line
AFFF 3% A	1% - 6%	Yes	Economical	1a*	0	3a*	3a*	1a	1a	1a	2
AFFF 3%	1% - 6%	Yes	Average performance	3a	2a	4a	4a	3a*	2a*	2a*	2
AFFF 3% F	1% - 6%	Yes	Nato listed	3a	3a	4a	4a	3a	3a	3a	2
AFFF 3% Ultra	1% - 6%	Yes	UL listed	5a	3a	5a	5a	4a	4a	4a	2
AFFF 3% Ultra LT	1% - 6%	Yes	UL listed	5a	3a	5a	5a	4a	4a	4a	3
AFFF 3% S	1% - 6%		UL and FM approved	6a	4a	6a	6a	6a	6a	6a	3
AFFF 3% ICAO	1% - 6%	Yes	ICAO approved	4a	3a	4a	4a	4a	4a	4a	3
AFFF 3% M			ICAO approved	5a	4a	6a	6a	5a	4a	4a	4
ARC 3x3	1x3 - 3x6	Yes	Economical	3ab	4a	4ab	4ab	3ab	3ab	3ab	4
ARC 3x3 F	3x6		Enhanced performance	3ab	4a	4ab	4ab	3ab	3ab	3ab	4
ARC 3x3 Ultra	1x3 - 6x6	Yes	UL listed	5ab	5a	5ab	5ab	5ab	5ab	5ab	4
ARC 3x3 S			UL and FM approved	5ab	4a	5ab	5ab	6ab	6ab	6ab	4
ARC 3x3 NV	1x1		High Fluidity	4ab	3a	4ab	4ab	3ab	3ab	3ab	4
ARC 3x6 Miljö			Glycol Free	3ab	3a	4ab	4ab	4ab	4ab	4ab	4
Enviro 3x3 Plus	3x6 - 6x6		Fluorine FREE	3ab	3a	4ab	4ab	3ab	3ab	3ab	4
Enviro 3x3 Ultra			Fluorine FREE	4ab	3a	4ab	4ab	3ab	3ab	3ab	4
Trainer E-lite			Training foam	0	0	0	0	0	0	0	0
Class A			Low proportioning	0	0	0	0	0	0	0	4
Class A Super			Premium grade	0	0	0	0	0	0	0	6
LS EXP			Inside air foam	0	0	0	0	0	0	0	5
MB 5		Yes	Economical	0	0	0	0	0	0	0	4
MB -20		Yes	Freeze protected	0	0	0	0	0	0	0	5
P 3%	6%		Economical, Fluorine Free	1a	1a	1a	1a	0	0	0	0
FP 3%	6%		Cost effective	4a	4a	4a	3a	1a	1a	1a	1
FP 3% UL	6%		Premium grade	5a	5a	4a	3a	1a	1a	1a	1
FFFP 3%	6%		Cost effective	4a	4a	4a	3a	2a	3a	3a	2
FFFP 3% ICAO	6%	ICAO	ICAO approved	4a	4a	4a	4a	2a	3a	3a	2
FFFP ARC 3x3	3x6		Economical	4ab	4a	3ab	4ab	3ab	3ab	3ab	2
FFFP ARC 3x3 NV Avalanche			High Fluidity	5ab	5a	5ab	5ab	5ab	5ab	5ab	2



Aircraft Hangars			Offshore Rigs		Dike Protection		ARFF	LNG	Heli-decks	Marine	Spill
Deluge	Monitors	Hi-Exp	Deluge	Monitors	Foam-Makers	Monitors	Trucks	Medium Expansion			
1	1	0	1	3	1a*	3a*	1	0	1	1	1a
3*	2*	0	1	4	4a	4a	2	0	3	3	3a
3	2	0	3	4	4a	4a	3	0	4	4	4a
4	2	0	4	5	5a	5a	4	0	5	5	5a
4	4	0	4	5	5a	5a	4	0	5	5	5a
6	4	0	6	6	6a	6a	4	0	5	5	4a
4	4	0	4	4	4a	4a	6	0	6	6	6a
5	5	0	5	5	5a	5a	6	0	6	6	6a
3	4	0	3	4	4ab	4ab	1	2	1	4	4ab
3	4	0	3	4	4ab	4ab	1	2	1	4	5ab
5	5	0	5	5	5ab	5ab	1	3	1	4	5ab
6	6	0	6	6	6ab	6ab	1	4	1	4	5ab
3	5	0	3	5	4ab	5ab	1	2	1	4	5ab
3	4	2	3	4	4ab	5ab	1	4	1	3	5ab
2	3	0	2	3	3ab	3ab	1	2	1	3	4ab
2	5	0	2	3	3ab	4ab	1	3	1	3	4ab
0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0	0
0	0	2	0	0	0	0	0	0	0	0	0
0	0	6	0	0	0	0	0	6	0	6	4a
0	0	3	0	0	0	0	0	3	0	0	3a
0	0	4	0	0	0	0	0	3	0	0	3a
0	0	0	0	0	2a	2a	0	0	0	0	2a
1	3	0	1	3	4a	3a	0	0	0	3	3a
1	3	0	1	3	4a	4a	0	0	0	3	3a
3	4	0	3	4	4a	4a	4	0	3	3	4a
3	4	0	3	4	4a	4a	6	0	6	3	4a
2	3	0	3	3	3ab	3ab	0	0	4	4	4ab
2	4	0	4	4	5ab	5ab	5	0	4	4	5ab

0 Not Suitable

1 Reduced performance

2 Min- acceptable performance

3/4 Standard performance

5/6 Best performance

a = Hydrocarbons

b = Polar solvents

\* Increase application rate = better performance

# Quality and service

the core of our business



Shopfloor  
Truck AB

Linde

fomtec  
Fire Fighting Foams & Equipment

We bring more value to the business through skilled and experienced personnel, innovative products and an extensive range of approvals. Our commitment to provide high quality and innovative products to the professional fire protection market is demonstrated by our constant focus on product development, quality assurance and timely delivery.

### Experience and Reputation

Our experience and commitment has given us an excellent reputation in the market place for supplying an extensive range of high quality products. In the scope there are also consulting, design, training and after sales service.

Our management's proven track record in international procurement, manufacturing, R&D and supply activities supported by the know-how of our employees, are unique in the industry.

You as a valued customer will benefit significantly from this position.

### Approvals

A variety of international approvals for different applications is critical to our customers. Therefore we can supply all our foam concentrates with at least one or more international approval such as Underwriters Laboratory (UL), Factory Mutual (FM), European Standard EN 1568, ICAO, Lloyds Register of Shipping, RINA, Bureau Veritas and Lastfire protocol.

### Competitive Pricing

Being a manufacturer, we will always guarantee a competitive cost structure, and therefore competitive pricing. A high market share resulting in high volume provides economies of scale resulting in more efficient trading activities and cost effective transactions.

### Quality Assurance

Fomtec has been audited and certified by DNV to be in conformance with ISO 9001:2008.

All manufacturing is made following strict quality procedures. Every batch is tested for quality conformity and traceability. A retained sample is kept of each batch for future reference.

### Customer Focus

Customer relations are everybody's business at Fomtec under the motto: "Deliver what the customer wants, quickly and in the cheapest possible way".

To fulfill our motto we have implemented a logistics structure with close monitoring of the transportation of goods. It ensures proper in-house documentation and complete inspection of goods at the point of embarkation or delivery.

As the true independent alternative on the market, we guarantee flexible, unique solutions, quick response and a strong customer focus.

### The Fomtec Staff

The Fomtec staff are very dedicated and passionate people with a high work ethic. The Fomtec Production is situated in the south of Sweden, in Helsingborg.





**fomtec**  
Fire Fighting Foams & Equipment

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