



A-SAFE

Product Guide



YOUR PROBLEM, OUR INSPIRATION

Where others see problems, we see only potential: the potential to find the solution. In every customer challenge are the seeds of a great idea and a solution nobody has thought of.

Problem solving is why we exist; it is in our DNA and it continues to inspire every product we create.

WHAT MAKES US WHO WE ARE

At A-SAFE we are defined by who we are as much as by what we do. Our values are the foundation for our passion, our products and the strong relationships we forge with our customers.

We are pioneers

Forge not follow

From our very first invention to every process and customer interaction, we are encouraged to be brave, be dynamic and explore the possible and seemingly impossible. Big or small, it all makes a difference. The key is to always try new things, to learn, adapt and move forward. With a shared sense of enterprise and adventure, we never, ever give up and ask ourselves every day, what if?

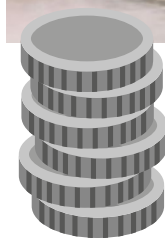
1984

A-FAX Films is established, specializing in polythene extrusion.



2001

Flexi Guardrail invented.



100m Steel Guardrail - Total Cost over 5 Years **\$60,000**



100m A-SAFE Guardrail - Total Cost over 5 Years **\$9,500**

2015

The drive for continuous improvement leads to the launch of our 3rd-generation guardrail range.



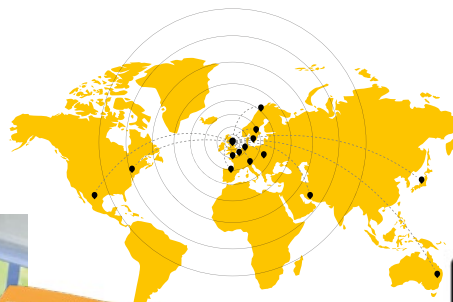
iFlex

2009

Major installation at Gatwick Airport with **\$130,000+** saving per year in maintenance costs.

2017

A-SAFE continues to revolutionize workplace safety, saving more lives than any other safety guardrail.



2018

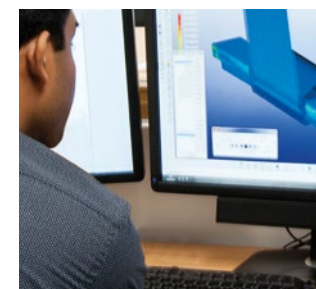
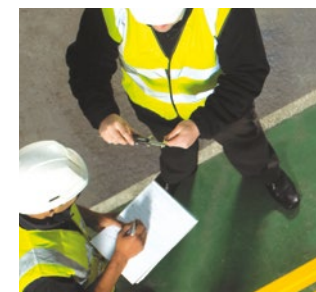
Our global presence reaches 15 countries, with 16 subsidiaries worldwide.



We are in it together

Shoulder to shoulder

More than a collection of employees and customers, we are a collective who act and behave like a family. With mutual commitment, we build powerful, trusted relationships, both with each other and with customers all over the world. While our brand is global, our relationships are local. We get huge satisfaction from building direct relationships with customers – drawing inspiration from their problems to help us forge new ideas.



We stand shoulder to shoulder with partners all over the world, including:

3M | Amazon | Jaguar Land Rover | Heineken | DHL | Coca Cola | Heathrow Airport
IKEA | Mars | Kimberley Clark | McCain | Nestlé | P&G | BMW | Volvo Cars

We do the right thing

From start to finish

There's a right way and wrong way to do things – it's in our DNA to do the right thing, without compromise. Whether we're creating, thinking, making or building – solutions, things or relationships – we take personal ownership of the whole process, finding better ways to do things than any third party could. From safety to risk reduction, protection to cost savings, whatever the problem, we never sit back while someone else does the work, we find the very best way of solving it.



Tested to a global benchmark in guardrail safety

Independently verified by world-class test experts

bsi.
PAS13
Code of Practice for Workplace Safety Guardrails

TUV NORD

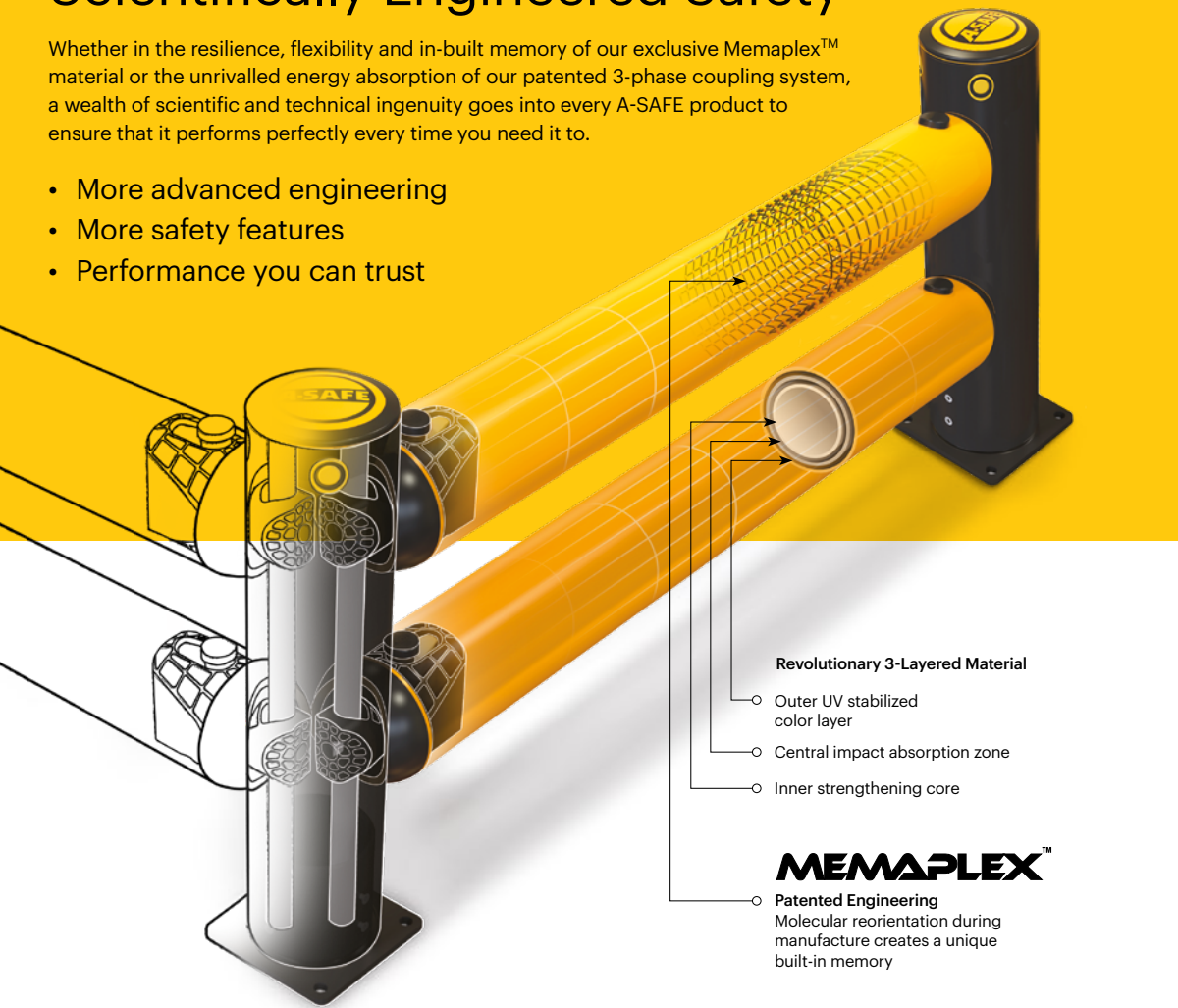
We perform an average of **5 impact tests a day** and over **1,000 tests annually**. That equates to more than **10,000 tests** since creating our in-house test facility.



Scientifically Engineered Safety

Whether in the resilience, flexibility and in-built memory of our exclusive Memaplex™ material or the unrivalled energy absorption of our patented 3-phase coupling system, a wealth of scientific and technical ingenuity goes into every A-SAFE product to ensure that it performs perfectly every time you need it to.

- More advanced engineering
- More safety features
- Performance you can trust



Revolutionary 3-Layered Material

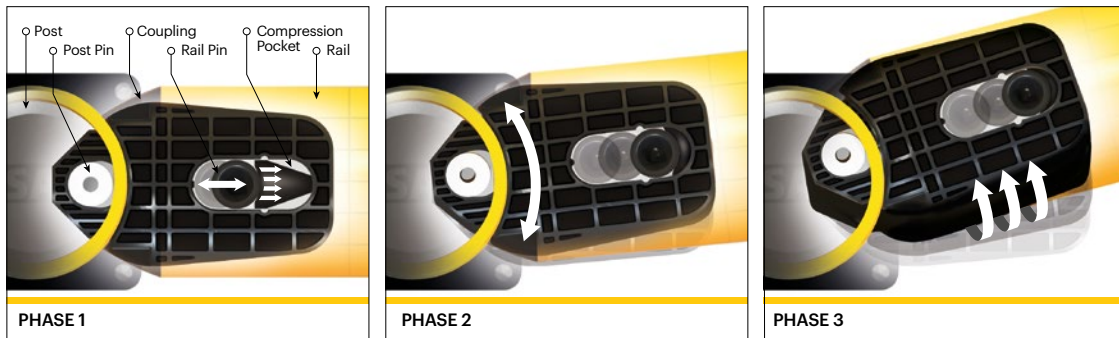
- Outer UV stabilized color layer
- Central impact absorption zone
- Inner strengthening core

MEMAPLEX™

- Patented Engineering
Molecular reorientation during manufacture creates a unique built-in memory

Patented Energy Absorption System

3-phase system that activates sequentially for unparalleled energy absorption



Unrivalled Performance

- M** Exclusive shock absorbing Memaplex™ polymer
- UV** No repainting as system is self-colored
- UV** UV protected and tested to ISO 4892-3
- Patented** Purpose-engineered built-in memory for full recovery and repeat use
- Color** Color fast to 7/8 on the Blue Wool Scale
- ISO 868** Patented Coupling Technology reduces and dissipates dynamic load energy for unequalled energy absorption
- ISO 868** Abrasion resistant with a hardness of 66 to ISO 868
- ISO/TR 10358** 80% of impact force is absorbed
- ISO/TR 10358** No floor damage, preserved fixings
- ISO/TR 10358** No corrosion and chemically inert to ISO/TR 10358
- Apple** Reduced maintenance, repair and replacement
- Apple** Material complies with EU & FDA food contact regulations
- Hygiene** Hygiene seals eliminate ingress points
- Electro** Electrophoretic coated bases tested to withstand 2000 hours exposure to accelerated salt spray with no rust
- Modularity** Modularity allows rails and posts to be replaced independently without removing adjacent guardrails
- bsi. PAS13** Performance rated and compliant to PAS 13:2017
- TUV** TUV certified

Micro Guardrails



- Separate light duty vehicles
- Protect walls and machinery at low level
- Shield from wear and tear
- Delineate storage zones

mFlex: Single Traffic Guardrail Ground Level

5,400 Joules**
2.4 Ton vehicle at 5mph

mFlex: Single Traffic Guardrail

5,400 Joules**
2.4 Ton vehicle at 5mph

mFlex: Double Traffic Guardrail

9,100 Joules**
4 Ton vehicle at 5mph



Single Traffic Guardrails



- Separate heavy duty vehicles
- Protect buildings, machinery and equipment
- Define and defend vehicle routes
- Control the movement of traffic

eFlex: Single Traffic Guardrail

20,400 Joules*
6.2 Ton vehicle at 6mph

iFlex: Single Traffic Guardrail

30,200 Joules*
9.2 Ton vehicle at 6mph

iFlex: Single Traffic Guardrail High Level

30,200 Joules*
3.3 Ton vehicle at 10mph



Double Traffic Guardrails



- Separate larger-mass heavy duty vehicles
- Protect buildings, machinery and equipment
- Define and defend heavy vehicle routes
- Manage high traffic environments

eFlex: Double Traffic Guardrail

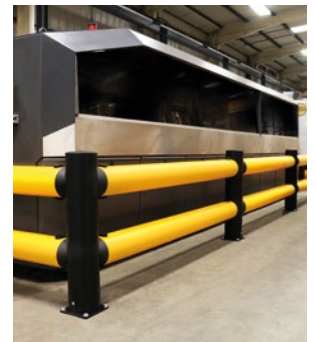
27,000 Joules*
8.3 Ton vehicle at 6mph

iFlex: Double Traffic Guardrail

41,000 Joules*
12.5 Ton vehicle at 6mph

Atlas: Double Traffic Guardrail

41,000 Joules*
12.5 Ton vehicle at 6mph



*Ultimate energy load at 45° on a 78# rail **Ultimate energy load at 45° on a 59 rail ***Ultimate energy load at 90°. All measurements in inches. Joules ratings are provided for your reference only. Our expert technical teams will always recommend the correct specification for your needs. Impact resistance is subject to environmental factors. See individual data sheets for more information. Data is accurate at time of writing.

Pedestrian Guardrails



- Separate pedestrians
- Guide personnel and visitors
- Clearly mark crossing places
- Designate safe access and exit points



eFlex Pedestrian Guardrail 3 Rail
2kN**
 Weight of 2 adults leaning (441 lbs)



iFlex Pedestrian Guardrail 3 Rail
11,600 Joules**
 5.1 Ton vehicle at 5mph



iFlex Slide Gate



iFlex Swing Gate - Short & Long

Traffic Guardrails+



- Separate pedestrians and vehicles
- Protect pedestrian and vehicle routes
- Create pedestrian safe zones
- Control the movement of traffic



eFlex Single Traffic Guardrail+
20,400 Joules*
 6.2 Ton vehicle at 6mph



iFlex Single Traffic Guardrail+
30,200 Joules*
 9.2 Ton vehicle at 6mph

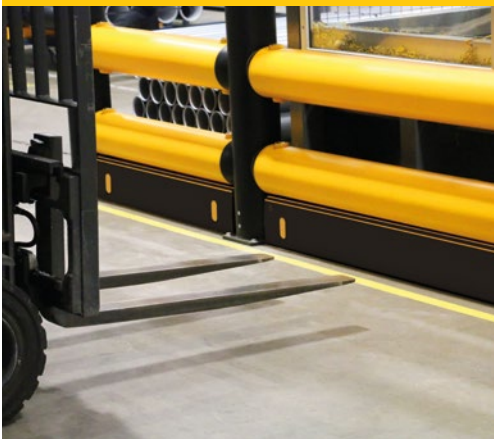


iFlex Double Traffic Guardrail+
41,000 Joules*
 12.5 Ton vehicle at 6mph



Atlas Double Traffic Guardrail+
41,000 Joules*
 12.5 Ton vehicle at 6mph

ForkGuard



- Shield from vehicle forks
- Prevent items protruding under guardrails
- Create pallet stops for stored goods
- Integrate with guardrail systems



eFlex ForkGuard
 Guardrail
3,000 Joules***
 2.1 Ton vehicle at 4mph



iFlex ForkGuard
 Guardrail
4,500 Joules***
 3.1 Ton vehicle at 4mph

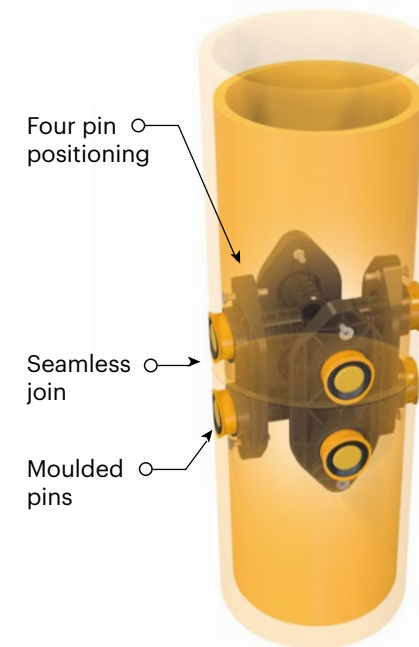


High Level Topple Guardrails



- Protect people and assets from floor to height
- Define and defend traffic routes
- Secure high-storage zones
- Prevent dangerous toppling of stacked goods

In-line coupling for a complete modular solution



The iFlex in-line coupling introduces a new level of modularity to the A-SAFE range of high-performance guardrail products. This robust solution makes it possible to construct topple guardrails ranging in height from 86% to 204% by simply adding the required number of additional rail modules to a universal base unit.

1. Base sections

Select the base section best suited for your facility and traffic



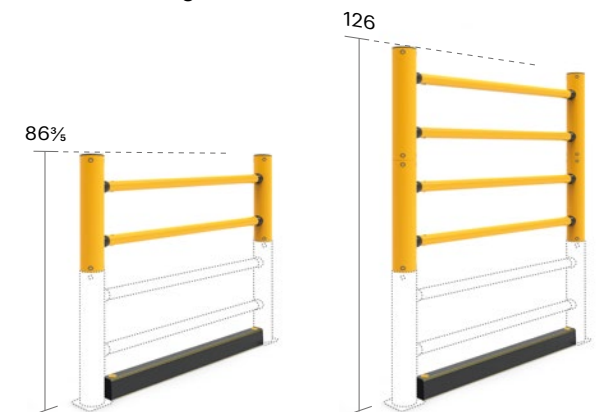
iFlex Topple Guardrail
882 lbs Horizontal Load
 Equivalent 1.1Ton Pallet



iFlex Heavy Duty Topple Guardrail
41,000 Joules*
 12.5 Ton vehicle at 6mph

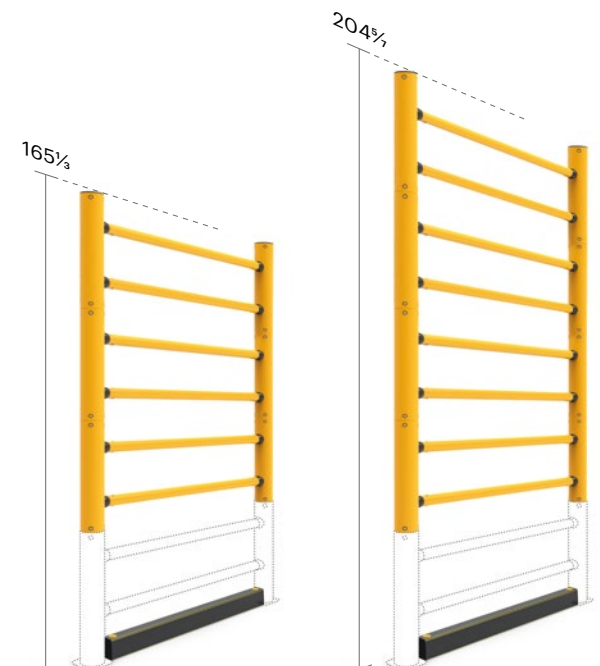
2. Top sections

Add additional rails to achieve the desired height



Base + 2 Rails

Base + 4 Rails



Base + 6 Rails

Base + 8 Rails

Column and Corner Guard



FlexiShield Column Guard

1,600 Joules***
2 Ton vehicle at 3mph



FlexiShield Corner Guard

200 Joules***
0.5 Ton vehicle at 2mph



Padded Column Guard



iFlexRail Column Guard

11,600 Joules**
5.1 Ton vehicle at 5mph



iFlexRail Column Guard+

27,500 Joules**
8.4 Ton vehicle at 6mph



- Protect columns from impact damage
- Provide strong visual guidance to drivers
- Shield infrastructure from collisions
- Modular and adaptable for any height and size

Bollards



iFlex Bollard

6,900 Joules***
4.7 Ton vehicle at 4mph



iFlex Bollard with Wear Collar

6,900 Joules***
4.7 Ton vehicle at 4mph



iFlex Heavy Duty Bollard

8,800 Joules***
6.1 Ton vehicle at 4mph



Sign Cap

Sign Post

- Protects infrastructure from collision damage
- Provides a visual warning
- Provides traffic guidance
- Safeguards equipment and machinery

Height Restrictor



- Doorway edge protection
- Visual warning for drivers
- Shields infrastructure from collisions

iFlex Height Restrictor

5,400 Joules***
6.6 Ton vehicle at 3mph



Alarm Bar



- Strip light visual alarm
- Versatile overhead application
- Safeguard doorframes, loading docks, infrastructure and overhead walkways

Alarm Bar

RackEnd Guardrails



eFlex Single RackEnd Guardrail

8,000 Joules*
5.5 Ton vehicle at 4mph



eFlex Double RackEnd Guardrail

12,000 Joules*
8.3 Ton vehicle at 4mph



iFlex Single RackEnd Guardrail

30,200 Joules*
13.3 Ton vehicle at 5mph



RackGuard
Rack Leg Protector

1,000 Joules***



- Protect vulnerable racking
- Absorb and deflect repeat glancing blows
- Defend against vehicle fork impacts

Dock Gates



- Protects dock loading bays
- Prevents accidents
- Can be locked in open position
- Provides visual guidance

eFlex Dock Gate

6,000 Joules***
4.1 Ton vehicle at 4mph



iFlex Dock Gate XL

7,000 Joules***
4.8 Ton vehicle at 4mph



iFlex Dock Gate

12,000 Joules***
8.3 Ton vehicle at 4mph



Service Yard Protection



- Protect loading bays
- Preserve service yard infrastructure
- Provide visual alerts and vehicle guidance
- Defend against wear and tear



Dock Buffer



Truck Stop



Coach Stop



Trailer Plate



Car Stop

Cleaning Products



Heavy Duty Clean and Protect Range

- Tough on dirt
- Maintains guardrail vibrancy
- Low VOC
- 2-part clean and protect care system

Food Safe Clean and Protect Range

- Ideal for sensitive environments
- Low VOC
- Maintains guardrail vibrancy
- 2-part clean & protect care system



Protix Heavy Duty Cleaner



Protix Heavy Duty Finishing Coat

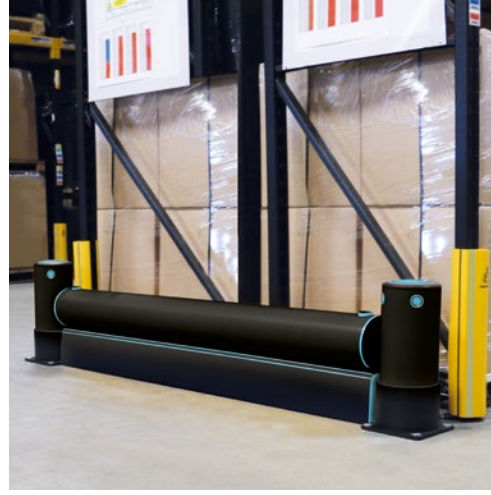


Protix Food Safe Cleaner



Protix Food Safe Finishing Coat

Cold Storage



- Maximum performance at temperatures as low as -22°F
- Full suite of products available
- Food safe, wipe clean and self-colored
- PAS 13 compliant

RackGuard
Cold Storage Rack Leg Protector

1,000 Joules***



iFlex
Cold Storage Single Traffic Guardrail

30,200 Joules**
9.2 Ton vehicle at 6mph



eFlex ForkGuard
Cold Storage Guardrail

3,000 Joules****
2.1 Ton vehicle at 4mph



iFlex
Cold Storage Pedestrian Guardrail 3 Rail

11,600 Joules*
5.1 Ton vehicle at 5mph



iFlex
Cold Storage Single Traffic Guardrail+

30,200 Joules**
9.2 Ton vehicle at 6mph



iFlex
Cold Storage Bollard

6,900 Joules***
4.7 Ton vehicle at 4mph



iFlex
Cold Storage Height Restrictor

5,400 Joules***
6.6 Ton vehicle at 3mph



Tailored Solutions & Accessories



- Unique guardrail configurations
- Custom width and impact zone height
- Slider plates to allow for easy access
- High-strength cleaning and maintenance



A local company, globally.

We work hard to maintain the spirit of a local business while achieving the far-reaching impact of a global enterprise.

Our policy of being “Global and Local” enables us to respond to your needs wherever you are in the world. In every office worldwide, we employ local experts throughout the business. Specialists in their field, equipped with an in-depth knowledge of domestic markets, legislation, safety practices and social customs.

We strive to give all workplaces access to world-class products, through local offices and consultants.

Global Offices

A-SAFE HQ Ltd	<u>UK</u>	A-SAFE S.A. de C.V.	<u>Mexico</u>
A-SAFE Australasia PTY Ltd	<u>Australia & New Zealand</u>	A-SAFE B.V.	<u>Netherlands</u>
A-SAFE bvba	<u>Belgium & Luxembourg</u>	A-SAFE LLC	<u>Russia</u>
A-SAFE Scandinavia ApS	<u>Denmark</u>	A-SAFE Soluciones S.L.	<u>Spain</u>
A-SAFE SAS	<u>France</u>	A-SAFE AB	<u>Sweden</u>
A-SAFE GmbH	<u>Germany & Austria</u>	A-SAFE DWC-LLC	<u>UAE</u>
A-SAFE Italia s.r.l.	<u>Italy</u>	A-SAFE UK Ltd	<u>UK</u>
A-SAFE K.K.	<u>Japan</u>	A-SAFE International Ltd	<u>Rest of the World</u>

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