



Best of
TOXICSHIELD

NEXT GENERATION CBRN PROTECTION



Protection layer principle the material structure



The TOXICSHIELD development is based on an innovative material that brings the protection system closer to the wearer's body and thus significantly increasing the freedom of movement: a huge advantage especially with challenging missions.

Body skin

TOXICSHIELD layer

Uniform layer

The TOXICSHIELD fabric is not only used to produce protective suits for flying personnel, but also for the initial concepts for use as protection against contamination of equipment and the aircraft cabins themselves.

AUTOFLUG TOXICSHIELD

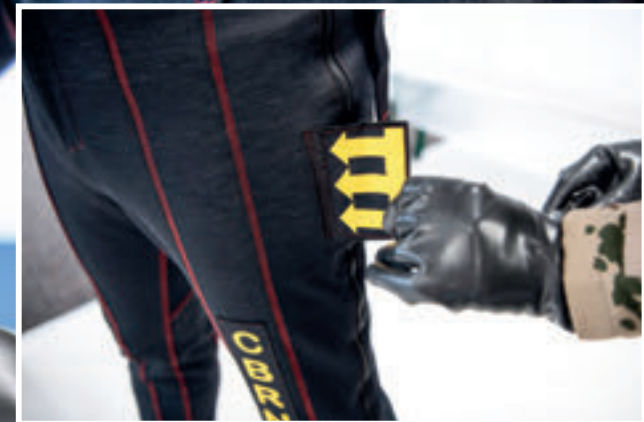
- Next generation CBRN protection

In light of the growing threats from chemical, biological and radioactive warfare agents, more feasible protection is needed.



Key facts protective clothing

- Optimized for the all missions
- Compatible with existing clothing and equipment
- All climate zones can be covered
- Can be decontaminated, washed and recycled
- Light, anti-static and flame retardant material
- Perfect freedom of movement
- Fitted for aviators from the small female to the large male
- Can be used in rotary and fixed-wing aircraft with individual deployment configurations (e.g. NH90, H145M, CH-53, Tiger, A400M)
- Meets the requirements of AEP38, AEP73, STANAG 3943, ISO15025, AS861 and Ökotex 100
- In qualification and certification with the German armed forces

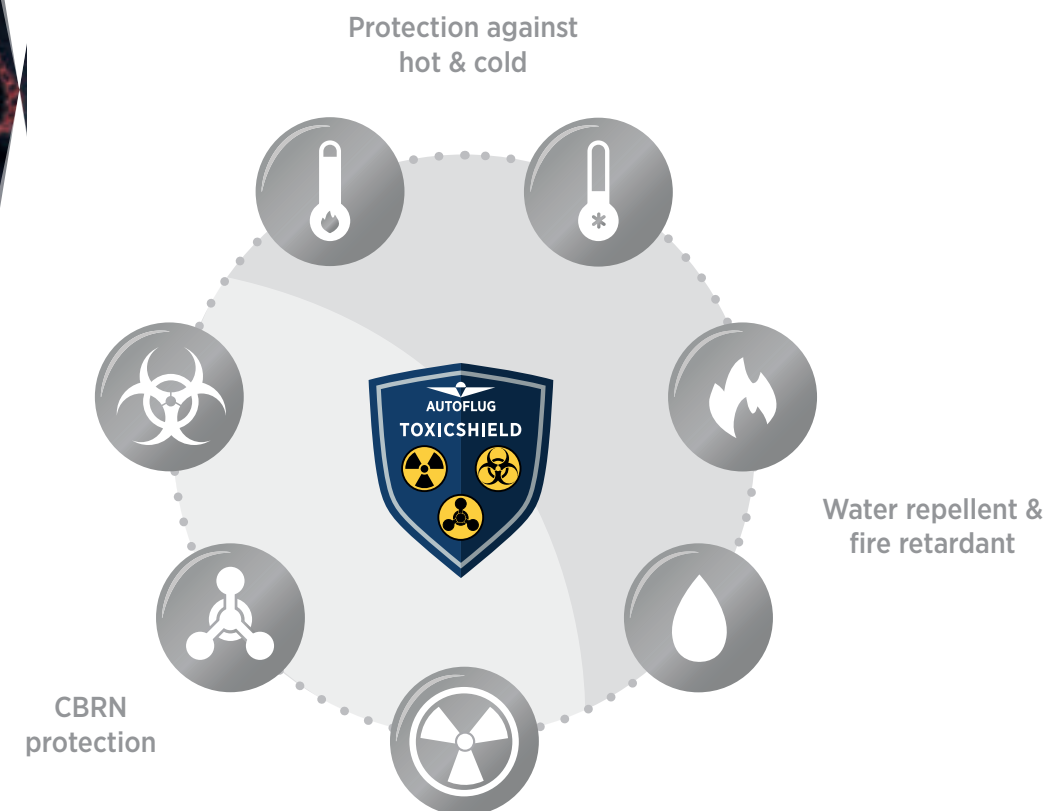


Modern closure concepts for easy lining

protective clothing

The AUTOFLUG TOXICSHIELD suits are designed to provide safe protection against external influences at all times during operations.

To be able to take off the suits after the mission as easily and quickly as possible, special attention has been paid to the innovative doffing options. This makes the work of the CCA Line personnel considerably easier and also ensures the full protection of all the persons involved.



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cabin protection

Textile tents

Textile partition dividers

Textile partition dividers
with doors

Safe shielding – Individual partial sections in helicopter and aircraft cabins

Thanks to its special properties, AUTOFLUG TOXICSHIELD enables a safe shielding of sections in helicopter or aircraft cabins. Protected zones can be quickly and easily installed within a cabin using partition dividers or tent constructions. Fixing the structure to the aircraft is not necessary.

Textile tents

Create a controlled contamination zone within the cabin.

Textile partition dividers

Divide the cabin or cargo area into separately protected areas.

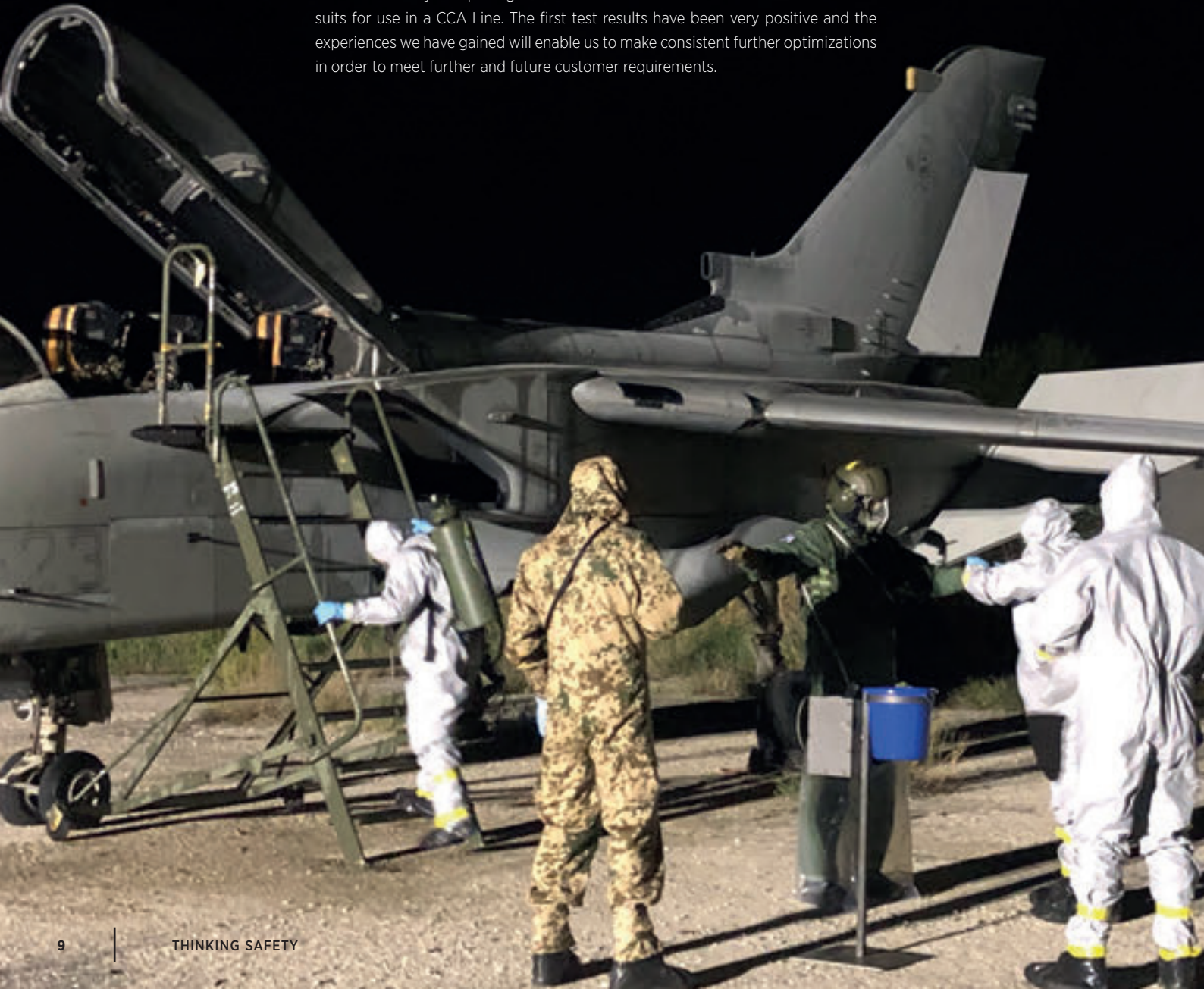
Textile partition dividers with doors

Enable the safe shielding of individual areas with access.

Safe shielding of individual areas in the aircraft is possible thanks to the combination of TOXICSHIELD with the AUTOFLUG MULTIBASE systems. Complete contamination of the cabin is prevented and the effort for quarantine transports is greatly reduced. This also ensures the faster availability of existing resources again.

current status

We are currently completing numerous trials with the AUTOFLUG TOXICSHIELD suits for use in a CCA Line. The first test results have been very positive and the experiences we have gained will enable us to make consistent further optimizations in order to meet further and future customer requirements.



THINKING SAFETY

AUTOFLUG has been developing and producing solutions for a wide range of largely military applications for decades. AUTOFLUG solutions are used in the A400M transport aircraft, NH90 NATO helicopters, and the CH-53K, among others.

One of our most important tasks was and still is to face the challenges of each time and furthermore to recognize the developments at an early stage. Our top priority is always the rescue and safety of people – we help improve this today and in the future with our innovative products and proposals in the field of rescue and safety, and also for the flexible use of aircraft cabins.





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