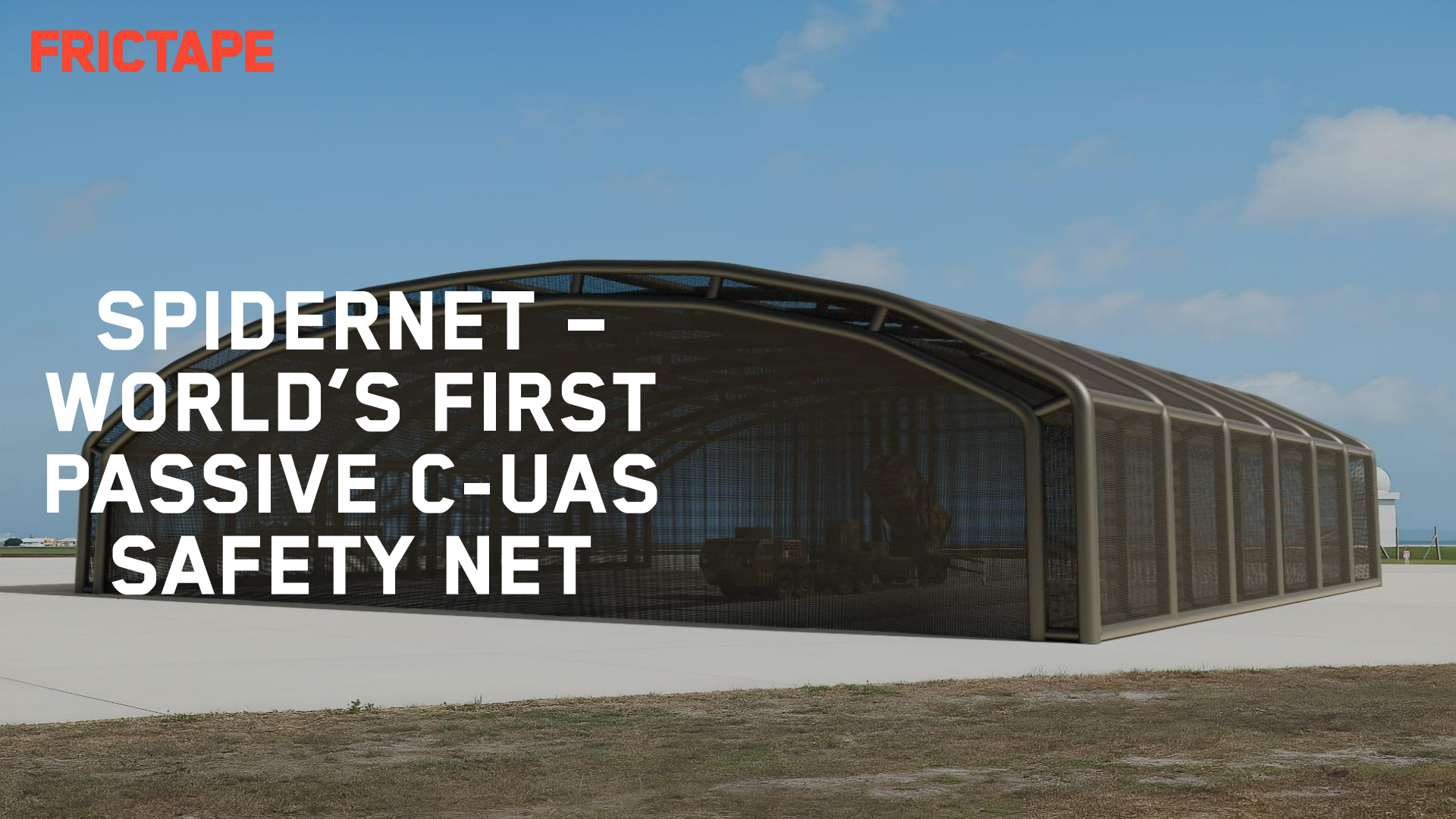


FRICTAPE

SPIDERNET – WORLD'S FIRST PASSIVE C-UAS SAFETY NET



DECADES IN AVIATION, PERSON AND ASSET SAFETY

- Founded in 1977 in Finland as a family-owned aviation textile engineering company
- Now part of Lagercrantz Group (Nasdaq Stockholm)
- **Head Office:** Finland // **Factory:** Estonia
- Track record in containing and stopping objects ranging from fighter jets to persons
- Today, main business in securing offshore helidecks:
Trusted on **2,500+ helidecks worldwide** – offering the **highest safety with the lowest lifetime cost**



WHY SPIDERNET: HOSTILE DRONES AND UAVS HAVE BECOME A MAJOR THREAT

- UAS has become low cost, easy access weapon class that can attack high value targets, setting new challenge for strategic defense capabilities
- Events in Ukraine and Saudi showing the challenges and opportunities of both UAS and C-UAS solutions
- Today, C-UAS solutions are based on detection, interference/signal jamming or destruction of hostile drones and UAVs
- SpiderNet is **fully passive** C-UAS safety net solution that **protects your assets when active countermeasures have failed**



PROJECT BACKGROUND

- We (Frictape) were approached by defense organizations, looking for passive C-UAS solutions.
- Question was whether our safety netting technology can be used to stop attacking UAVs and drones from hitting their target. After analysis, the short answer is YES. Our textile technology is developed over the years to contain and stop high amounts of kinetic energy, everything from fighter jets to persons
- With scalable safety netting design where netting mesh size, tape construction, panel sizing and layering are widely adjustable, it is possible to build solutions to meet wide range of size/strength/cost/weight requirements



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SPIDERNET IN BRIEF: STOPS HOSTILE DRONES AND UAVS BEFORE THEY HIT THEIR TARGET



Fully Passive. No action, no intervention, no electronics needed. Range of shapes and sizes. Protective dome as the last line of defense, 24x7



Low Cost
Little to no maintenance, easy and low cost to repair



Built to Last
Withstands harshest environments. Easy to deploy. Low-tech, in a positive way



Innovation-Led to stop Cat 3-4 UAS
Absorbs multi-MJ impact. Based on advanced materials and textile engineering with 40-yr heritage



SPIDERNET - DETAILS

- Purpose: Passive protective safety netting to protect high value assets against UAV and drone attacks
- Material: Special purpose synthetic fibers
- Construction: Individual panels constructed from flat tape, attached to customer-defined superstructure.
- Sizes: Panels can vary widely in size and shape. Preferred size 3-4m each side or more. Superstructure size has no specific limitations
- Strength: Designed to stop direct hits of category 3-4 UAVs (multiple megajoules of kinetic energy), category 5 possible with extended design options



INTERESTED ? CONTACT US

- Visit: <https://frictape.com/passive-defence-against-drones-uavs-reinvented/> or email sales@frictape.com
- We are looking for first real field trials. Setup will be co-developed with you - exact configuration will be defined based on your requirements on dome shape, size and strength.
- Superstructure design and production to be mutually agreed

