

Empowering Humanitarian Aid with SVAS



HUMANITARIAN PILOTS INITIATIVE

www.hpi.swiss

Super Versatile Airdrop System (SVAS)

Our mission is to provide effective solutions for humanitarian aid delivery to areas affected by crises with limited accessibility.

Our SVAS solution allows **precision airdrops** for **rapid relief** at **maximum cost efficiency**. Our system is designed to enhance relief efforts and bring efficient assistance to disaster-affected communities



Cost efficient

SVAS offers a cost-efficient solution for **humanitarian aid delivery through precise airdrops**, reducing transportation expenses. Its user-friendly design minimizes training and operational costs, making it easily adoptable for relief teams.



Versatile platform

User-friendly clip-on system that **can be operated from a large variety of aircraft**. Its high compatibility allows operators to leverage their existing aircraft fleet, avoiding additional expenses. C208 And Twin-Otters are ideal.



Low sink rates & high precision

The parachutes are used in paragliding and have to be certified under heavy regulations. Therefore, the sinkrates of our systems are **as low as 2.5-5 m/s** and the parachutes are load-tested. Our highly trained drop crew guarantee a **drop precision of 50 meters**.



Recycled materials

SVAS uses recycled reusable rescue parachutes that are **donated from the paragliding community** all over Europe. Each year 1000s of parachutes have to be replaced by the parachute riggers and are accessible.

On demand we can also provide biodegradable parachutes.



Versatile payloads

SVAS is a modular system that allows to connect a variety of payloads, **from cheap heavy-bags to highly protective containers** that allow the deployment of sensitive equipment. Our air drop system can carry loads from 30-180kg.



Collaborative empowerment

HPI aims to **empower** various small and large humanitarian players around the globe on the dropping of goods by making SVAS available through mid- and long-term **collaborations**.

Since this system is highly simplified, it can be operated by a crew that has been trained in few days making operators become **independent**.

Deployment bag

- Guarantees a safe and controlled deployment
- Allows simple repacking for fast turn around times
- BAZL-approved (swiss aviation authorities)



Bag made of lightweight polyester fabric and rubber bands, total weight is about 150g. No hard materials are used.

Bridle made of a polyester band. The length will be adjusted to each aircraft to ensure a sufficient tail clearance during the opening. The released d-bag will be clear of the horizontal stabiliser by at least 1m.

After deployment the d-bag will be pulled back inside the aircraft by the drop master.

Standard parachuting **hook** to attach the deployment-line inside the aircraft on cargo hard point or rail system.

Hook is closed with a locking mechanism. During the opening there will be no more than 10kg load to the attachment point and d-bag item.

Recycled parachute

Our parachute **upcycling initiative transforms waste into valuable resources**, embracing sustainability by repurposing paragliding rescue chutes for humanitarian aid.

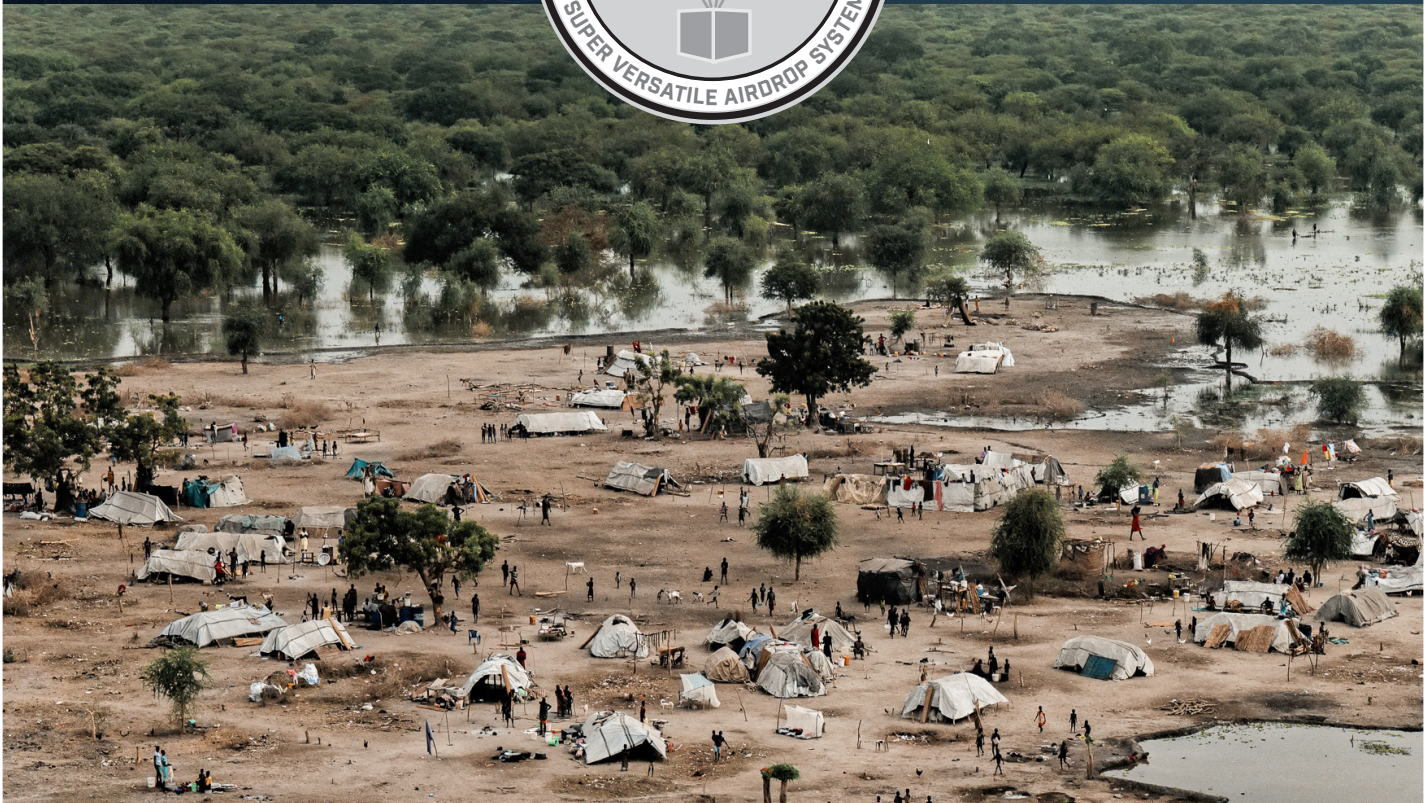
Payload container

SVAS payload containers are cheap and sturdy. They are made to accommodate various relief supplies, optimizing the system's versatility. From food and medical equipment to emergency provisions, the container can securely carry the aid items to their destination.



For **\$1,000** spent on relief mission, SVAS can reach and help **132% more people** than with the other aircraft systems.





**We deliver airdrop solutions for rapid relief
at maximum cost-efficiency where needed.**



HUMANITARIAN PILOTS INITIATIVE

www.hpi.swiss

Humanitarian Pilots Initiative Foundation - info@hpi.swiss