



HUMANITARIAN PILOTS INITIATIVE

www.hpi.swiss



COST EFFICIENT

All the parachutes we use are donated. Connected with the high payload to range ratio of an aircraft, we can provide one of the most cost-effective solutions to your logistical challenges.



VERSATILE PLATFORM

The air drop system can be operated from a variety of aircraft: All the way from a Cessna 182 or Caravan to a Twin Otter, especially skydiving aircraft are ideal.



LOW SINKRATES & HIGH PRECISION

The parachutes are used in paragliding and have to be certified under strict regulations. Therefore, the sink rates of our systems are as low as 2.5-5 m/s and the parachutes are load-tested. Our highly trained drop crew can 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 parachute riggers and are thus 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.



OPEN SOURCE

HPI aims to provide this system to different humanitarian partners all around the globe. We can train your own drop crew and provide parachute systems to build your own capabilities. Our innovative system is highly simplified and can be operated by a crew that has been trained in a few days.

RECYLCED PARACHUTE

EN/LTF - Certified

Load tested

Reusable

Possible to be produced from biodegradable materials



DEPLOYMENT CONTAINER

Guarantees a safe and controlled deployment

Allows simple repacking for fast turn around times

BAZL (swiss aviation authorities) approved

PAYLOAD CONTAINER

Very versatile payload containers, from high-end protection for sensible goods to cheap mass produced heavy-bags for maximum economy. Compact and clean system design for easy logistics on the ground and inside the aircraft.



DEPLOYMENT BAG (D-BAG)



HOOK

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 load than 10 kg to the attachment point and d-bag item.

BRIDLE

The bridle is 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 clear the horizontal stabiliser by at least 1m.

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



DEPLOYMENT BAG

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

PIN

The pin is made of a nylon rod that won't damage the planes' fuselage. There are no metal or hard parts built into the d-bag.