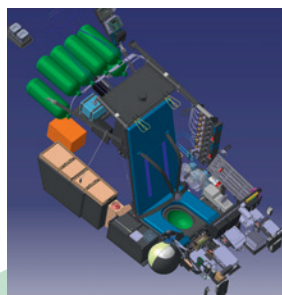
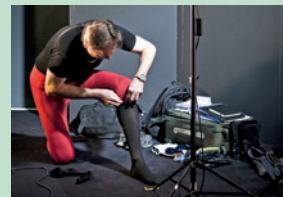


PILOTING AND SAFETY

Only meticulous preparation can put minds at ease before leaping into the unknown.

A multi-purpose seat functions both as reclining berth and toilet. A parachute and a life-raft are packed into the seat-back. When fully reclined, it allows the pilot to perform physical exercises.



Self-hypnosis and yoga techniques allow the pilot to maintain his powers of concentration and vigilance.

Intelligent nylon fiber used in pilot's clothing to stabilize the body temperature.

Oxygen mask when flying above 3,600 m (12,000 ft).



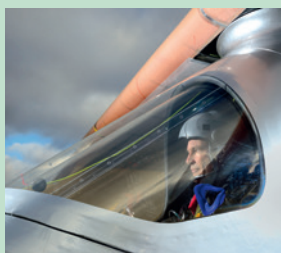
A man-machine interface provides the pilot with a sensory alert if the bank angle goes beyond the 5° limit.



The 3.8 m³ (134 cubic ft) cockpit volume provides enough space on board for oxygen supplies, food and survival equipment, whilst also meeting the ergonomic requirements for flights lasting several days.

A monitoring system constantly checks the functioning of the autopilot and detects any anomaly or exceeding of safe limits.

In the absence of any heating, the cockpit and the pilot are protected against the cold outside (-40 degrees) by high-density thermal insulation.



Live satellite connection to the ground; transmission of hundreds of data to the mission room by telemetry, as well as voice, pictures and films to allow the public to be part of the adventure.



A flight simulator developed specifically for Solar Impulse gives the pilots the opportunity to train for long duration missions and practice the delicate handling their aircraft requires.

