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REFUGEE IN FLIGHT SHELTER KIT

The Refugee in Flight Shelter Kit (RiFSK) project aims to create a shelter for the millions in flight in sub-Saharan Africa. Specifications include extreme portability, minimal cost, an operational lifetime of three weeks and completely biodegradable materials. The current prototype uses gravity and the principles of tensegrity to create a structure in which a wooden centerpiece and counterpoint thread create a self-supporting hexapod structure. The skin comes in two versions: a lightweight, permeable cover for the dry season and a heavier, waterproof version for the rainy season—currently a composite hemp and polylactic acid fabric designed here.