

Image: Spacesuit for the ground

13 May 2020



Credit: Edgar Martins

Not a spacesuit but a SCAPE suit—standing for "Self Contained Atmospheric Protective Ensemble." Technicians don these suits before filling satellites with the toxic hydrazine fuel used for maneuvers in space. This one was snapped by Portuguese photographer Edgar Martins at ESA's Spaceport in French Guiana.

ESA's Clean Space initiative is researching greener alternatives to hydrazine but for now this high-energy propellant is being used to fuel almost all satellites as well as launcher upper stages.

Edgar Martins collaborated closely with ESA to produce a comprehensive photographic survey of the Agency's various facilities around the globe, together with those of its international partners.

Characteristically empty of people, Martins' long-exposure photos—taken with analogue wide film cameras—possess a stark, reverent style. They document the variety of specialized installations and equipment needed to prepare missions for [space](#), or to recreate orbital conditions for testing down on Earth.

Provided by European Space Agency

APA citation: Image: Spacesuit for the ground (2020, May 13) retrieved 25 September 2020 from <https://phys.org/news/2020-05-image-spacesuit-ground.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.