Arnaud Monteuuis

Systems and Electronics Engineer · Qualification · Radiation Effects

LinkedIn · ORCID · GitHub · Website

Profile

Systems and electronics engineer with 7+ years in qualification, validation and troubleshooting of safety-critical systems at CERN, in aerospace and in research labs.

Experience

Airbus Helicopters · Systems Engineer

Jun 2025 to present

Marignane, France

- Validated 300+ H175 requirements under ARP4754A and EASA.
- Coordinate verification evidence across teams.

CEA-Leti · Electronics Engineer

Jan 2023 to Sep 2024

Grenoble, France

- Led radiation qualification of 100+ MOSFET devices.
- Built Python and LabVIEW test automation.

ISAE-SUPAERO · Electronics Engineer

Dec 2021 to Oct 2022

Toulouse, France

- Characterised CMOS image sensors at room and cryogenic temperatures.
- Upgraded test benches and supervised students.

CERN · Electronics Engineer

Feb 2018 to Jan 2020

Meyrin, Switzerland

- Qualified cryogenic power diodes up to 18 kA for HL-LHC machine protection.
- Built the integrated LabVIEW test system from scratch.

CERN · Radiation Effects Engineer (internship)

Apr to Aug 2017

Meyrin, Switzerland

- Compared in-flight single-event latch-up data with ground estimates.

CSUM · Radiation Engineer

Jan to Feb 2017

Montpellier, France

- Designed TID shielding for the ROBUSTA-3A nanosatellite.

CNES · Technical Compliance Engineer (internship)

Apr to Aug 2016

Kourou, French Guiana

- Documented in-flight anomaly origins for Ariane 5 launches.

Education

University of Montpellier

2012 to 2017

- M.Sc. in Electronics, Electrical Engineering and Automatics (space systems and radiation effects)
- B.Sc. in Applied Physics and Engineering
- Technical degree in Physics Measurements

Publications

Co-author of six peer-reviewed publications on radiation effects, machine protection and HL-LHC technologies. Full list on ORCID.

Languages

French (native), English (C1), German (B1).

Certifications

- Google Project Management, Google (Nov 2026), credential ID MJ7PXNEK5QD6
- Low Voltage Electrical Safety, BRINKS Formation (Oct 2026, expires Nov 2029)
- Aeronautical Initiation Certificate, French Ministry of National Education (Jun 2015)
- Fastrad & OMERE, TRAD, Tests & Radiations (Jan 2017)