

Mr. Aissa Benykhlef Senior Engineer – Global Sales



Personal

First name, name Aissa Benykhlef

Date of birth 21.10.1988

Address Weststrasse 82, 8620 Wetzikon – Switzerland

Family Single

Titles Ingenieur – Master of Science in mechanical design /
National Institute of Applied Sciences (INSA) of Lyon

Short biography Aissa Benykhlef works with KISSsoft AG – A Gleason Company as Senior Engineer – Global Sales. He supports several software resellers in the areas of business development, technology trainings and technical support. In his sales role, he focuses demonstration of KISSsoft software and explanations of its underlying theories to customers in Europe, Asia and North America.

Mr. Benykhlef studied mechanical engineering at the University of Applied Sciences of Lyon and worked over the last decade on aerospace power transmissions. His first job was with Safran Transmission Systems as a mechanical development engineer working on the accessory gearbox of the LEAP engine in Colombes (France) for three years. He then joined Rolls-Royce Deutschland in Berlin for two years working as a design engineer on the power gearbox (gear turbofan) of the Ultra fan engine. In 2016, he joined Kopter group AG, a swiss helicopter company working as lead engineer and have been appointed as team leader of the main rotor drives department, ensuring the development and testing of the helicopter main gearbox. Since 2022, he is with KISSsoft AG, a leading provider of Drive Train Design Solutions, namely KISSsoft software.

Languages French - mother tongue
English - business fluent
Spanish - B1 level - According to CEFR (Common European Framework of Reference for Languages)

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Education

- 2009 – 2012 Master of Science in mechanical design – National Institute of Applied Sciences (INSA) of Lyon / Specialization in mechanical design: solid mechanics, fluid mechanics, automation
- 2007 – 2009 Preparatory cycle – National Institute of Applied Sciences (INSA) of Lyon
- June 2007 Scientific Baccalaureate option Engineering Sciences - with Honors

Positions

- 2022 – Today **Global Sales Engineer – KISSsoft AG (Switzerland)**
- 2016 – 2022 **Team Leader Main Rotor Drives – Gears & Drive department – Kopter Group AG (Switzerland)**
- Control of compliance costs, quality and project planning constraints
 - Leading a team of 5 engineers / Planning development testing and certification
- Lead engineer Main Gearbox – Gears & Drive department – Kopter Group AG (Switzerland)**
- Technical responsibility for assigned development tasks of the SH09 Helicopter Main Gearbox
 - Complete technical documentation for product development & certification
 - Manufacturing Engineering development (investment casting, gears, bearings, forgings)
 - Procurement development (audit, down selection matrix, second sourcing strategy)
- 2014 - 2016 **Mechanical design engineer – Structure & Transmission department – Rolls-Royce Deutschland (Germany)**
- UltraFan Program: Power gearbox for gear turbofan
 - Oil system & Structure design : concepts analysis & down selection / integration / DFMEA
 - Gear train: Scalability studies for epicyclic & star configuration, application up to 75 MW
- 2012 - 2014 **Mechanical design engineer (leader) – Power Transmission department – Safran Transmission Systems (France)**
- Development of the Accessory Gearbox destined to LEAP-1C (chinese civil engine – C919 aircraft)
 - Planning development testing and certification
 - Complete technical documentation regarding gearbox systems including all associated components such as spur gears, bevel gears, bearings, (drive-) shafts as well as housings and casings.
- Transverse: Appointed as SAFRAN Ambassador at INSA Lyon (September 2013)**
- **Mechanical design engineer – Research & Strategy department – Safran Transmission Systems (France)**
- Research work and development of new validated methods for the simulation and integration of complex high power gearbox systems into new aero engine concepts.
 - Creation of a planetary gearbox, target application : GTF (Gear Turbofan) / Level TRL6
 - Responsible CMO activity (Composite Organic Matter): Total budget of € 200k

Patent

Publication number: 20190040908 / Publication date: February 7, 2019 / Applicant: Safran Transmission Systems
"Assembly for an epicyclic reduction gearset comprising at least one satellite bearing comprising lubrication means"