VOLOCOPTER

WE BRING
urban
air mobility
to life

Internship reference letter

Mr. Sreekar Reddy Sajjala, born on 1 August 1998, has completed an internship in the area of Thermomechanical stress analysis of an evTOL Battery Pack (Energy Storage Unit) in the Mechanical Engineering department in our company at the Bruchsal head office from 1 February 2023 to 31 July 2023.

We at Volocopter are pioneers in the development of electrical air taxis that take off and land vertically (eVTOLs). We bring Urban Air Mobility to life, by establishing air taxis in addition to current transportation options in megacities globally. Our aim is to offer affordable on-demand air taxi services and save people time by flying them safely to their destination. In 2011 we performed the first-ever crewed flight of a purely electrical multicopter and have since showcased numerous public flights with our full-scale Volocopters (www.volocopter.com).

As part of the internship, we assigned Mr. Sajjala the following tasks:

- Perform linear/ non-linear structural analysis to study the impact of crash loads on vital components of the Energy Storage Unit (ESU)
- Conduct thermal simulations on ESU module to study the effects of thermal runaway (TR) on neighbouring components
- Create a framework to run thermo-mechanical analysis using Optistruct and Star-CCM+
- Run Modal analysis on ESU to investigate the eigen-frequencies and make necessary changes on impacting components to improve the eigen-frequencies
- Documenting results for structural, modal, thermal, and thermo-mechanical analysis
- Troubleshooting the Optistruct (Hyperworks) solver for non-linear transient thermal simulations

He put his very good theoretical knowledge to excellent practical use during the internship.

He very quickly became familiar with his activities and work processes thanks to his excellent comprehension skills. Mr. Sajjala was characterized by a very strong willingness to learn at all times as well as a great deal of commitment and, in particular, a great sense of initiative.

VOLOCOPTER GMBH
Zeiloch 20, 76646 Bruchsal, Germany
info@volocopter.com
volocopter.com

MANAGING DIRECTORS
Dirk Hoke
Christian Bauer

COMMERZBANK KARLSRUHE
IBAN: DE 21 6604 0018 0360 5953 00
Mannheim HRB 702987
Ust-ID Nr. DE257583335

VOLOCOPTER

Mr. Sajjala was distinguished without exception by a flexible and focused way of working. In doing so, he always achieved qualitatively and quantitatively outstanding work results. Mr. Sajjala was able to learn new methods and technologies in a fast and structured manner.

Mr. Sajjala always fulfilled all his tasks to our complete satisfaction and met our expectations in the very best way and in every respect.

The behavior of Mr. Sajjala towards superiors and colleagues was always exemplary.

Mr. Sajjala will leave our company at the end of the agreed period on 31 July 2023. We thank him for his consistently excellent level of performance. We wish him all the best and continued great success for his future career and life.

Bruchsal, 31 July 2023

Volocopter GmbH

Björn Wolf
Head of Department - Mechanical Engineering

i.V. Yasmin Bayerl
P&O Business Partner

VOLOCOPTER GMBH
Zeiloch 20, 76646 Bruchsal, Germany
info@volocopter.com
volocopter.com

MANAGING DIRECTORS
Dirk Hoke
Christian Bauer

COMMERZBANK KARLSRUHE
IBAN: DE 21 6604 0018 0360 5953 00
Mannheim HRB 702987
Ust-ID Nr. DE257583335