INNOVATIVE ENGINEERING

Innovative Engineering
Sluiskolk 42
2408PE Alphen aan den Rijn
CoC no.: 75716860

faris@i-eng.nl
https://www.i-eng.nl
linkedin.com/in/fsaad1984
Tel no.: +31 (0)6 14 96 09 84

Scan my contact details

Faris Saad

Freelance Mechanical Engineer

About Me Over the years while working for innovative companies both in The Netherlands and abroad my expertise on machine design and product development grew. In 2015 I decided to apply this knowledge on a wider and more varied scale of projects and founded Innovative Engineering.

Experience

Jun '22 - present, *Freelance Mechanical Engineer*, LFT
For Leading Foot Technology, a new insole production method is set up through 3d printing. This is done in collaboration with Felix Printers.

Jan '22 - May '22, *Freelance Mechanical Engineer*, Defenture
Project Hotel, in order to gain the optimal geometry and minimal structural weight, Altair Inspire, Altair SimSolid and SolidWorks were used to develop a vehicle chassis.

Feb '21 - Dec '21, *Freelance Mechanical Engineer*, Defenture
Project Foxtrot Beta, structural modifications on existing platform to fulfill the requirements of a new customer.

Nov '20 - Feb '21, *Freelance Mechanical Engineer*, Various customers
Several small / medium sized assignments. Frame design, product design and strength calculations.

Jan '20 - Oct '20, *Freelance Mechanical Test Engineer*, Ampyx Power
Responsible for the development of various test rigs for aircraft and aircraft parts.

Jan '18 - Dec '19, *Lead / Chief Technology Officer (CTO)*, ALE Delft
Responsible for all technical decisions related to the loW8 LPG cylinder, production and test equipment. Under my supervision my team and I improved and optimized an earlier installed production line located in Malaysia.

Apr '16 - Dec '17, *Lead / Chief Operating Officer (COO)*, ALE Delft
Responsible for the company's daily as well as technical operations. Dealing with customers (at home and abroad) and suppliers (all over the world) on a daily basis. Under my supervision we went from a prototype production plant to an industrial one.

Mrt '09 - Apr '10 | Jan '11 - Apr '16, *Project Engineer*, ALE Delft
Started on the loW8 project during its initial phase. Basic machinery was available, but most had to be designed and built from scratch. Also, the cylinder itself was still in its infancy.

Certificates

Mar ’21, SolidWorks PROFESSIONAL - Sheet Metal
Certificate ID: C-SBN32VHX4Y

Sept ’20, SolidWorks PROFESSIONAL - Mold Making
Certificate ID: C-4GCDLRJY5N

Jul ’20, SolidWorks PROFESSIONAL - Drawing Tools
Certificate ID: C-YMWFG5Q73V

Jul ’20, SolidWorks PROFESSIONAL - Weldments
Certificate ID: C-PDEGCASJM7

Jul ’20, SolidWorks PROFESSIONAL - Mechanical Design
Certificate ID: C-K4EWBR5AZY

Jul ’20, SolidWorks ASSOCIATE - Mechanical Design
Certificate ID: C-Y268BC9ZVR

Education

’05 - ’09, INHolland University of Applied Sciences
Bachelor’s Degree in Aeronautical Engineering.

Patents

· Saad, F., *(2018)*. Pressure vessel for the storage of pressurized fluids and vehicle comprising such a pressure vessel. *WO 2018/212647 Al*
· Saad, F., *(2017)*. Fiber reinforced pressure vessel and method for forming such. *NL2014899*
· Saad, F., *(2014)*. Low weight pressure vessel. *USD746942S1*

Skills

Languages

- Dutch *(Native)*
- English *(Fluent)*
- Spanish *(Intermediate)*

General

- Leadership
- Creativity
- Team player
- Stress resistant
- Problem-solving
- Communication

Software / Programming

- SolidWorks
- SolidWorks PDM
- C# | C++ | Arduino
- Altair Inspire
- Altair SimSolid
- PTC MathCad
- MatLab
- Python
- GIT
- LaTeX
- MS Office
- Linux

Personal Interests

- Mountain biking
- Motorcycling
- Hiking
- 3D Printing
- Programming
- Cooking