



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

faris@i-eng.nl  
<https://www.i-eng.nl>  
<https://www.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

### **Jan '22 - present, *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 A1*
- 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