



# Internship #2016-I4

## Structural Engineer

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### Introduction

IBIS Power is a company developing renewable energy technologies in a most effective and acceptable way for society. Our motto is "Redesigning Renewable Energy", where we take state-of-the-art technology and transform it with added value into products that have highest impact in society towards a green and healthy future. Our team exists from scientist, engineers and architects who work together in R&D and project management to marketing and sales people focusing on implementation and supplying society for highest impact.

### Internship

We have an opening for an internship in the area of Structural Engineering and design. You will take part of the project implementation and R&D team to develop a new innovative product. The technology is in preparation of market out roll, and needs optimum design and parametric study in different scenarios. Structural engineering is a major part of it in relation to projects and mass production models. You will work in the R&D team of IBIS Power, and will have close collaboration with ongoing projects.

### The Project

Ibis Power has launched the first accomplished PowerNEST pilot. Currently the project is brought to a new level consisting out optimization studies towards structural improvements and aerodynamic studies. The structural engineer intern is able to work independent on varying tasks within a team of skilled and enthusiastic people. Good communicative and multitasking skills are a must, also varying tools like AutoCAD, Microsoft Office (excel) and insight in structural engineering are required.

The proposed work will exist of:

- Perform analytical and FEM analysis,
- Perform structural analysis on project level,
- Assist in structural optimization studies for mass product development,
- Take part of the development team and give design input,
- Make project structural design drawings,
- Structural analysis and design optimization studies of a mobile wind energy system,

### Requirements

- Pursuing a Bachelor's or Master's degree in Structural Engineering
- Profound English verbal and writing skills
- Knowledge on steel structures (preferably also on composite materials)
- Independent worker, but well performing in a team
- Good communication skills

If you are interested, please send us a personal motivation letter and Curriculum Vitae.