ABOUT US

We are an independent management consulting company for innovation and product development. We have successfully worked with over 60 international clients in over 400 consulting projects in the high technology field. Our mission is the effective optimization and transformation of R&D. Together with our clients, we find sustainable and future-oriented solutions – and set new standards.

Master thesis

The future of E/E architectures in complex environments with regards to IoT and connectivity

Basically, this master thesis is about an interesting and challenging topic within the business segment of product development with the special focus on electric & electronic architectures in complex environments.

Key questions to be answered by this master thesis:

- What kind of E/E Architectures are used within the industry?
- Which new requirements emerge in the light of IoT and connectivity?
- What is the overall structure of the system? Which layers are used to separate features? What are key interfaces used within the architecture?
- How to deal with extendibility, upgradeability, flexibility and ensure a future proof structure of the E/E Architecture especially with regards to IoT and connectivity?
- What are the main modules (Control units, I/O devices and BUS systems)?
- How to fulfill security requirements?
- How are functions and features split and allocated to architectural elements?

It sets a focus on product architectures, modularity as well as on development processes and has gained a significant interest of our customers. Therefore, you will work closely with experienced consultants at various customer projects. Your thesis will also give you valuable insights about an international consultant company and may lay the basis for your future career.

Precise scope of your master thesis will be discussed and defined together with you. The overall goal is to set the basis and to develop a method which helps our consultants to create valuable results in our customer projects.
You can leverage from our extensive experiences from providing solutions to specific client problems within various industries. Among others there are automotive, agriculture and transportation OEM at our reference list. Additional relevant project experiences will be offered as well.

**Our expectations.**

- You **study** **Engineering, Industrial Engineering, Electrical Engineering** or similar.
- Preferable, you have already gained **practical experiences** within the area of **product development** or **innovation**.
- You enjoy working independently as well as teamwork.
- Profound MS-Office skills.
- Business fluent language skills in English and German.

**This sets us apart.**

- **Modern** corporate **culture** of open communication.
- A team with young and experienced players.
- **Individual freedom** to organize your work and take on responsibility.
- Career planning and development of your **competencies**.
- Located in the **heart of Munich** between Central Station and Stiglmaierplatz.
- **Fun**: Social events, fresh fruit, free drinks, a cleaning service, a football table, cool sporting events, a ski weekend in a rustic hut, and our parties (which are legendary).

**Interested?**

We are looking forward to your application. Your contact partner is Dr. Tim Sturm, who is also Principal and Practice Leader for Increasing Product Value.

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