

## / Methods-of-Make Lead (m/f/d)

**Location:** Berlin, Germany | **Duration:** Permanent, Full-time (40hrs) | **Start date:** Jan. 2023

We are looking for an experienced, motivated and versatile hardware generalist who can take full responsibility for the development and deployment of various projects. Artists, industrial designers, mechanical engineers, tinkerers and DIYers – we care more about craft than credentials. You should love to build daring creative engineering prototypes to high fidelity and demonstrate their suitability for certification and scaling.

### About us

PCH Innovations is a Berlin-based creative engineering studio for exploratory technology and regenerative system development.

We are a multi-disciplinary team of engineers, designers, technologists, scientists, coders, and researchers. We're all different, but connected in our pursuit of engaging, high-impact strategies, technologies and experiences.

We work with large brands and industry leaders (e.g. Nike, Tiffany, Leica, Siemens Energy, Continental, NVIDIA) to develop bold and daring concepts towards a harmonious human/machine/planet ecosystem.

### What you would be doing as the Methods-of-Make Lead

- / Take a leading role in the hands-on technical development of automation projects at PCH including but not limited to:
  - Design and engineering of innovative and complex automation concepts with industrial PLC control, robotic arms, electric motors and pneumatics
  - Custom components CNC machining and manufacturing using drills, lathes and mills
  - Programming of industrial robots (training and training materials will be provided wherever required)
  - Component assembly and build-up of projects
  - Planning and implementation of electrical components
  - Sourcing of components including component research, supplier contacts and negotiations
  - Clearly communicating project development to management and client
  - You hold responsibility for the maintenance and enhancement of workshop capabilities such as machining hardware, 3D printing and electronics prototyping
- / Safety evaluation and certification of the systems we build, including liaising with external partners for certification processes
- / Mentoring team members towards achieving individual, project and company goals

## What you bring to the table

- / 3-5 years of professional experience
- / Proven experience in the design, development, deployment and maintenance of hardware tech solutions, including complex mechanical systems and knowledge of material properties
- / Designing intricate machine assemblies, including renderings and technical drawings using CAD software such as Fusion360
- / Expertise in rapid prototyping and machine workshop tools such as 3D printers, milling machines, lathes, CNC machines etc
- / Excellent problem-solving and analytical skills as well as creative thinking
- / Ability to create intuitive human-machine interfaces with strong empathy for the user
- / Eagerness to adopt new technologies and apply cutting-edge research
- / Comfortable with self-directed/autonomous work
- / Strong communication skills

## What's in it for you

- / As our lead builder, you have access to our workshop and lab which includes hardware tools such as a custom built milling machine, lathe, CNC machine, 6-Axis robotic arms as well as state-of-the-art software rigs custom designed to handle heavy compute and graphics operations
- / An opportunity to explore exciting territory at the forefront of technological innovation
- / A diverse, international and supportive team
- / A culture of responsibility, co-determination, openness and consideration
- / A beautiful, quiet, dog-friendly studio with a garden and multiple terrace hang-out spots
- / Daily fresh fruit and home-made vegetarian snacks, provided by our resident chef
- / Team-building activities and events
- / Individual and team coaching
- / Bike leasing option via JobRad

**If you are interested in working with us, please send us your CV, a portfolio (optional) and relevant work references, via [talent@pch-innovations.com](mailto:talent@pch-innovations.com). We will get back to you within four weeks.**

**We look forward to hearing from you.**

*PCH is an equal opportunities employer committed to diversity and the creation of an inclusive, welcoming workplace. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, age, national origin, disability, gender identity or any other factor protected by applicable national or local laws.*