Outsourced Projects

Scho&Müller

Outsourced projects and Bionik

INNOVATION AND SUSTAINABILITY ON DEMAND

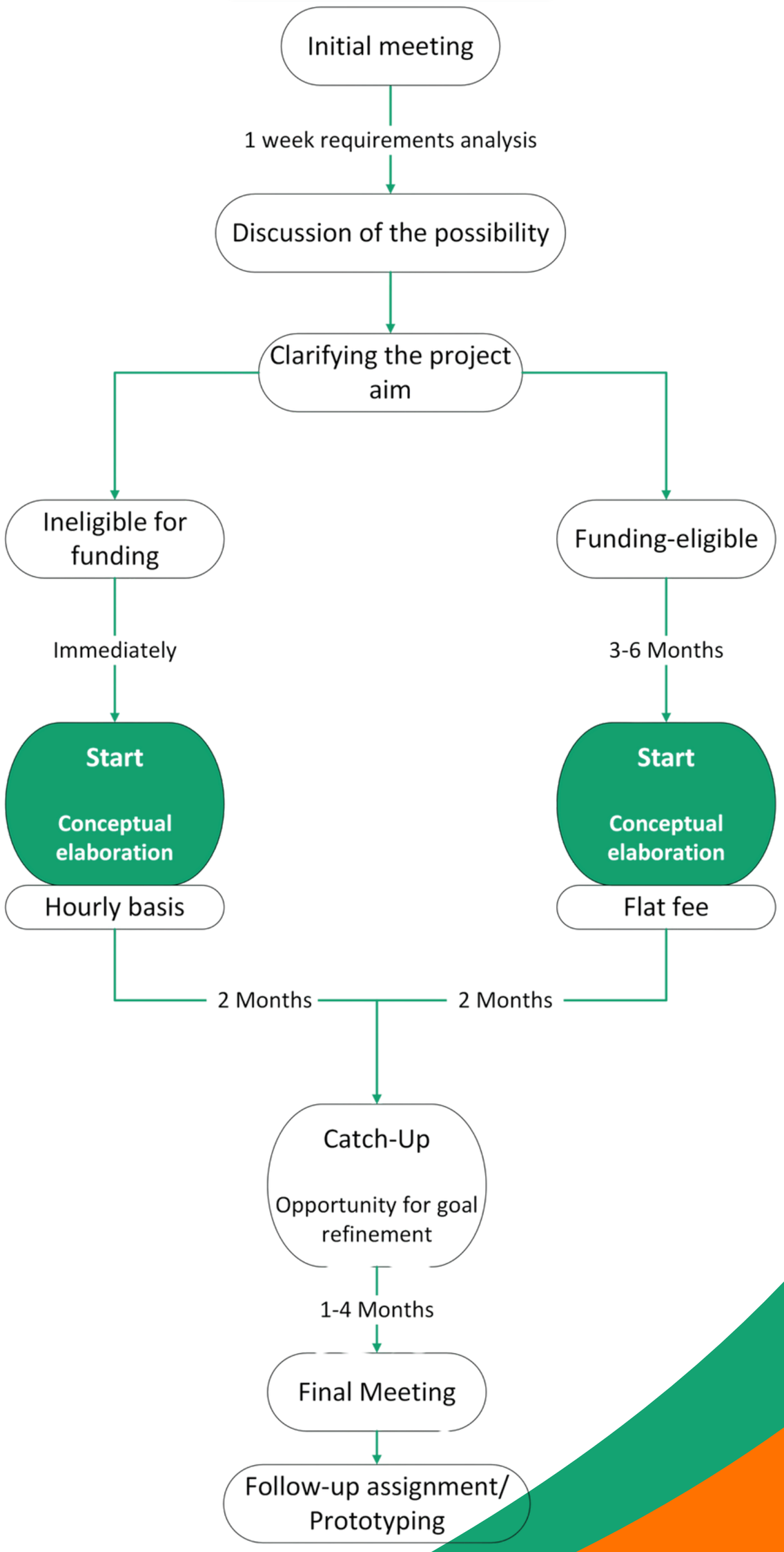
We are an interdisciplinary scientific team of engineering and business experts conducting our own research in the field of bionics. In addition, we continuously support companies through contract research in exploring new approaches, primarily with the aim of internal and external resource efficiency, market viability, future resilience, and compliance with regulatory requirements. As an outsourced, science based unit, we therefore contribute new perspectives and solutions across a wide range of industries.

SERVICES

Our focus is on the sustainable development of technical solutions that are elaborated both theoretically and with practical relevance.
We design innovation projects from the initial idea through concept development to prototyping and product realization.
Throughout our process, we not only create technological value but also develop tailored funding strategies that can enable up to 95% project funding.
Our broadly positioned team covers the following industry sectors:

- Engineering
- Natural Sciences
- Management
- General R&D

WORKFLOW



How can technology become more efficient while consuming less energy?

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Bionik

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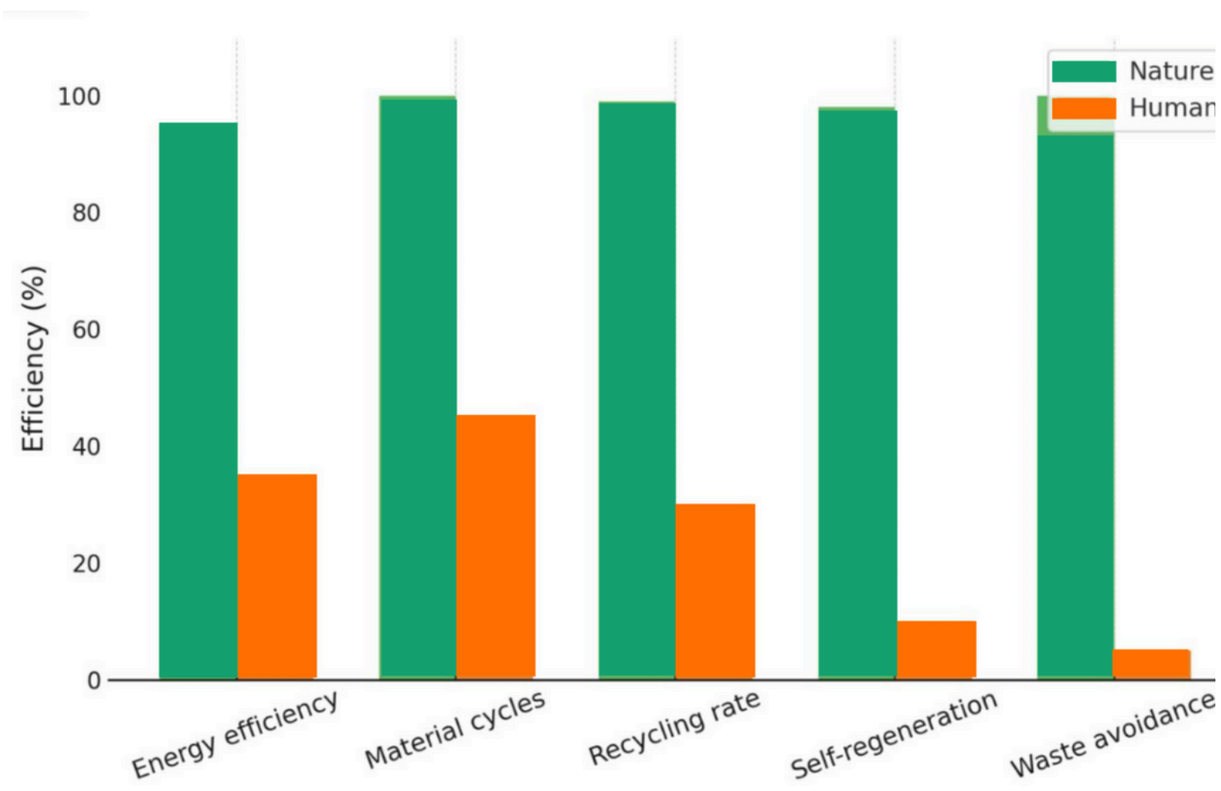
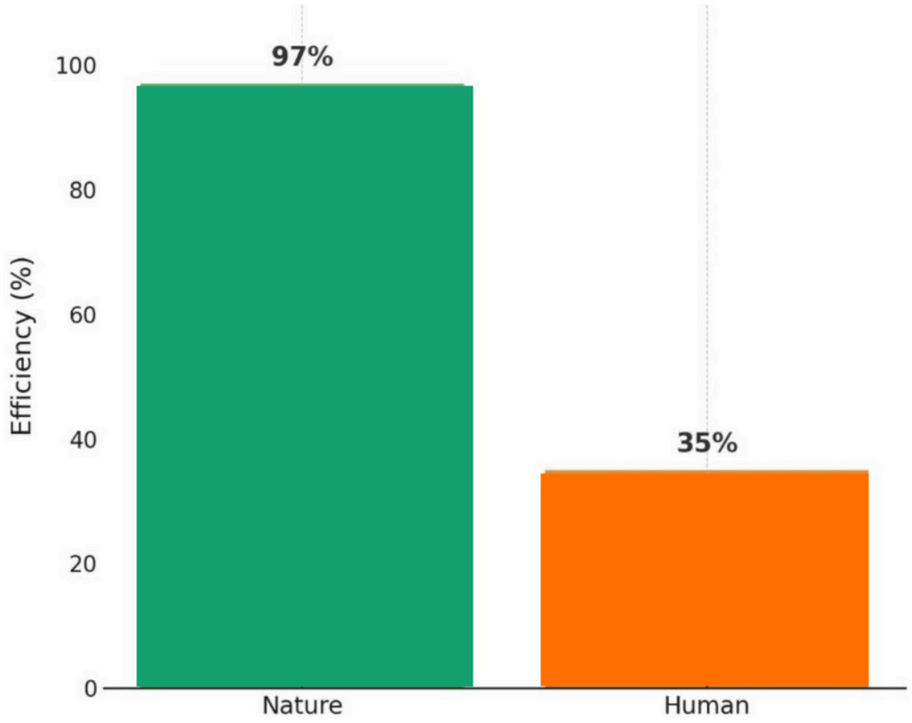
WHAT IS BIONICS?

Over millions of years, nature has developed efficient, sustainable, and adaptable solutions to nearly every challenge.
It draws on natural principles to create novel products and innovative solutions for the technology of tomorrow. From energy-efficient architecture and flexible robotics to high-tech materials in medical technology—every field is possible.





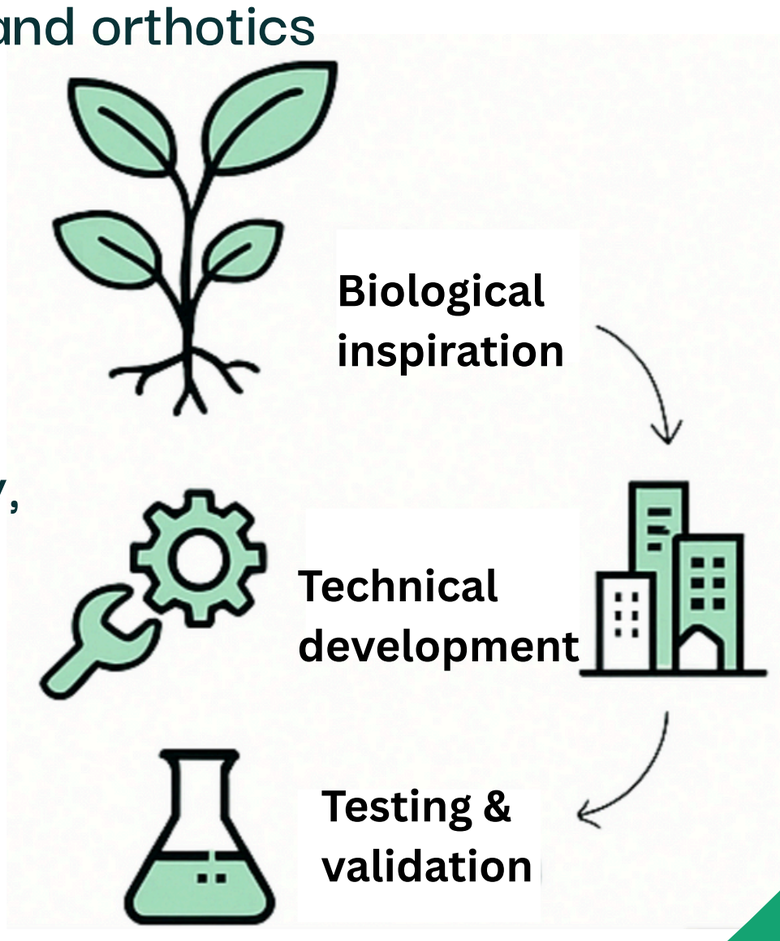
OUR OWN R&D

Our Activities:

- Sensor-integrated systems for adaptive, self-regulating operation
- Building-integrated solutions for resource utilization or climate regulation
- Medical products and systems, including prosthetics and orthotics
- Topology, structural, and material optimization
- Flow optimization for air and fluid systems
- Energy-efficient / low / autonomous systems
- Prototype development

How We Work:

- Interdisciplinary teamwork across technology, biology, and design
- Networking with universities, companies, and cities
- Systems thinking instead of isolated solutions
- Scientifically grounded
- Creative



We don’t see nature as a model to be copied, but as a toolbox we can make technically usable.

Technology Meets Nature

Plants, animals, and microorgaanismen inspire **technological innovations.**