DESIGN FOR OUR FUTURE

BACHELOR END PROJECT (BEP)
IOB6-1 DP5

15 DESIGNS IN 10 WEEKS

DO YOU WANT TO INNOVATE? WHICH MARKET DEVELOPMENTS COULD BENEFIT YOU AND WHICH DISTINCTIVE STRENGTHS CAN YOU DEVELOP? WHICH PRODUCTS AND SERVICES CHARACTERIZE A FUTURE-PROOF PORTFOLIO FOR YOU? MEET THE FACULTY INDUSTRIAL DESIGN. ABOUT FIFTEEN STUDENTS WORK FOR 10 WEEKS FROM YOUR PROBLEM DEFINITION TO CONCRETE DESIGN PROPOSALS. YOU WILL HAVE THE INDUSTRIAL PROPERTY RIGHTS OF THREE PROPOSALS OF YOUR CHOICE. THE BACHELOR END PROJECT (BEP) STARTS IN APRIL AND SEPTEMBER.

ABOUT BACHELOR END PROJECT

STUDENTS WORK DURING THIS BACHELOR GRADUATION PROJECT INDIVIDUALLY FROM A PROBLEM DEFINITION TO INSPIRING DESIGN PROPOSALS. STUDENTS APPLY THE KNOWLEDGE AND SKILLS ACQUIRED DURING THE BACHELOR. EACH STUDENT CHOOSES THEIR OWN PROJECT FOCUS, WHICH ENABLES THE DEVELOPMENT OF A PARTICULAR PREFERENCE OF COMPETENCES. FOR THESE STUDENTS IT IS THE FIRST TIME THAT THEY CARRY OUT AN ASSIGNMENT FOR A REAL CUSTOMER. AFTER THIS PROJECT THEY MOVE ON TO A MASTER'S DEGREE, A JOB OR START THEIR OWN BUSINESS.

PROCESS

The first step in the collaboration is to determine whether the business issue is suitable as an assignment for the Bachelor End Project. In the event of a promising issue, we agree during a visit how the project will be suitable for both the Bachelor End Project and the company. Based on this conversation and in consultation with our team, you will deliver a first project description. After a few iterations and the delivery of high-resolution images, this provides the assignment for the students.

Then, two weeks before the course starts, the selected assignments are made available to students. Students can then indicate a preference for a particular assignment, including yours. The students become equal divided, based on approximately fifteen students per order.

The first consultation with the students takes place at your company or at a location that is relevant to the assignment. The other contact moments are at the Faculty of Industrial Design Engineering; students present their progress and their final results in the end. During the presentations you can adjust the content and development of the projects in an open atmosphere, where new ideas and constructive criticism are welcome.

It benefits the project if you ask questions every now and then answer in the meantime. During the first meeting with the students, you can coordinate with them how and when you can be reached.

BULK Y©

A NEW CONCEPT STROLLER FOR CHILDREN AND THEIR PARENTS

Client: Kleine Dreumes
Student: Yuri Knopper

THE CHALLENGE

Kleine Dreumes has asked students to design strollers to expand their product portfolio. The product must be both innovative and surprising, aimed at the mobility needs of parents and children. That is to say, it must be able to be pushed by both parents and children themselves. The design challenge this student saw in this was to create a simple, compact and lightweight product that children between the ages of two and four years old will enjoy.

In addition, it had to provide a sleeping opportunity during use in urban parks.

FINAL DESIGN

The BULKY © reminds children and their parents of the amusing (and inappropriate) use of a wheelbarrow. The product is designed in such a way that it is easy to transport children and their belongings for a day in the park. In addition, it offers a resting place for children.

A team of two design coaches supervises the approximately fifteen students. During the project, one of these coaches acts as contact person. The students have throughout project the opportunity to consult researchers from our faculty and to follow in-depth educational modules.

Students complete the course after a presentation of their results. Within three months of this completion, you choose three results.

WHAT CAN YOU EXPECT AS COMPANY?

With a duration of ten weeks, the Bachelor End Project is the shortest course that deals with all aspects of design and in which (part of a) design cycle is completed in collaboration with an external client. The course is offered in April and September.

The course offers an advantageous ratio between input and output: participation costs € 3,000 ex. VAT. The preliminary phase is short and there are a small number of contact moments. Fifteen students each spend about 400 hours on your project. You can choose three results for commercialization and get industrial property rights and concise documentation from them.

The Bachelor End Project offers an excellent opportunity to become familiar with industrial design in a short period of time. In exchange for your input, you will receive a number of concrete, substantiated design proposals that you can use to get started.

These design proposals can be new product ideas or product service systems. For the three selected results, you have the option of further developing them internally for commercialization after the project has ended.

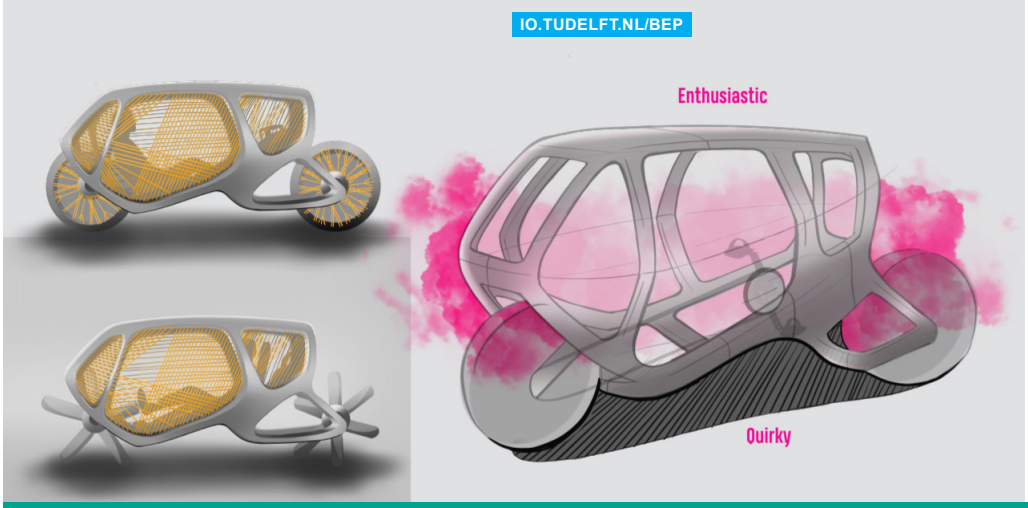
WHAT DO WE EXPECT FROM YOU AS COMPANY?

Your profile and issue for the final project must meet the following conditions:

- your assignment provides a clear demarcation of the problem within the students can start immediately. At the same time, the assignment must provide sufficient leeway for different approaches and solutions. You are open to coordinate this in consultation with our team;
- the nomination of at least one representative from the external client, who can attend all meetings. In addition, at some meetings it is requested that a person is present who (co-) decides on the portfolio;
- your schedule allows for predetermined contact moments;
- students have the opportunity to get to know your practice.

WHO CAN REGISTER FOR THIS COURSE?

In this course we work together with a wide range of companies and other organizations: from established names with years of experience to newcomers who have only been active for a few years. We determine whether you are eligible to participate based on the issue.



BOUND

AN ELECTRIC BIKE TO DRIVE THE ROADS INTERACTIVELY TOGETHER.

Client: Gazelle
Student: Evita Goettsch

THE CHALLENGE

The e-bike is increasing popularity due to the ease with which you can cover long distances relatively quickly. It is both healthy for the user and a clean alternative to the car. With an average distance of 20 km / ride for the e-bike compared to 250 km / ride for an electric car, there is a large gap between the electric bicycle and car. Gazelle, market leader in the field of bicycles, therefore asked to see whether a one-person electric vehicle could be devised that could fill this gap.

FINAL DESIGN

The final concept is a vehicle that is powered by pedalling. This concept extensively looked at the interaction between the vehicle, the user and the environment. This vehicle consists of an open frame with elastic bands and allows people to interact on the road together.

COLLABORATION DETAILS

- The Bachelor End Project starts in April and September.
- Expected results: You will witness a large number of design projects and design processes and you will gain insight into a variety of innovative design proposals.
- You select three design proposals within three months of the Bachelor End Project.
- Industrial ownership of three design proposals selected by you will be transferred to your company.
- TU Delft is asking a fee of € 3,000 (ex. VAT) for this project.
- Exception to the general terms and conditions: immediately after the final presentation, a public poster presentation will take place in the hall of the faculty.

The above details are supplementary to and part of the General provisions for cooperation in education. These General Provisions can be found here: https://www.tudelft.nl/en/ide/cooperation/contracts

CONTACT

For information about the Bachelor End Project, please contact:

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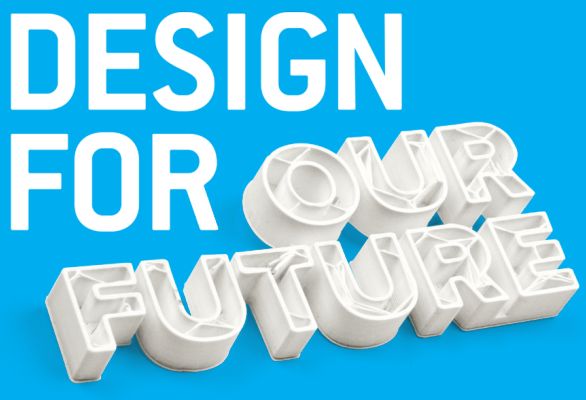
For information about other possibilities for collaboration with the Faculty of Industrial Design Engineering, please send an email to: collaboration-io@tudelft.nl.



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