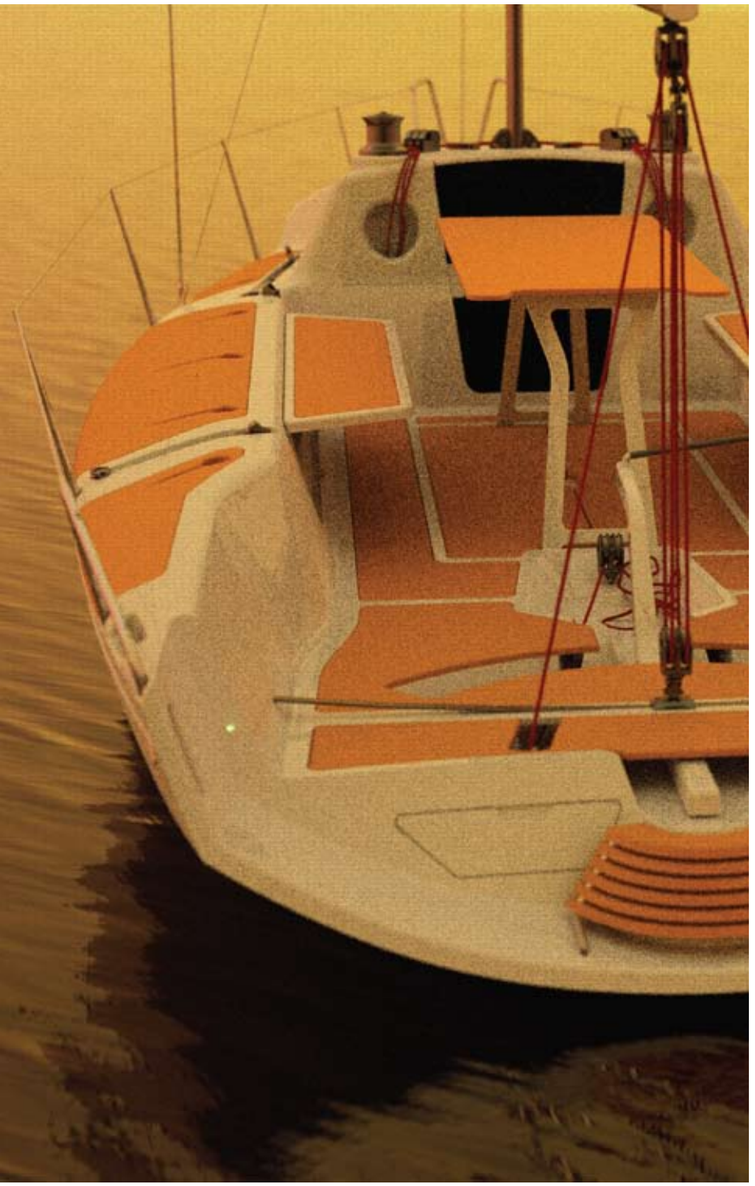
Sixth semester projects



Snorri Valdimarsson
Typus 9.0

The Typus Project is an attempt to fill a void in the sailboat market and design a new breed of sailing sports boats. The result is a day cruising/racing boat that offers an innovative layout and solutions to usability issues.

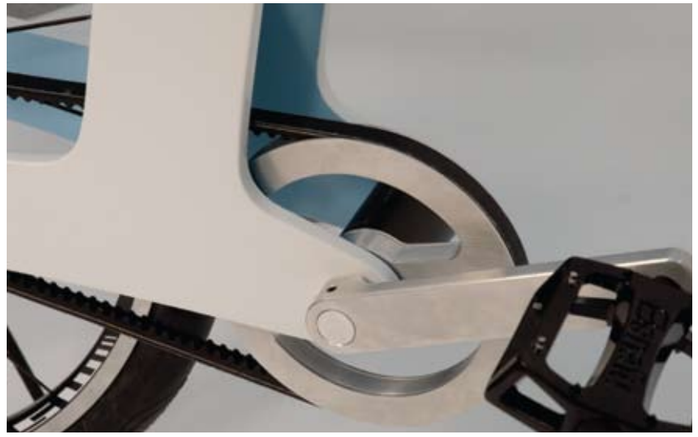
High performance sailing is all about contact – contact with the forces of nature, contact with the boat and contact between team members. Recreation at the destination is equally important.

The boat can be used as a base for short excursions ashore and activities like swimming, scuba diving or surfing. Many times it's simply all about relaxing in the sun and enjoying the scenery.

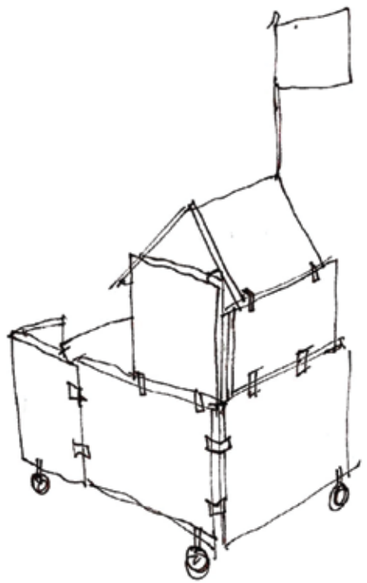
Dan Nordlund
Barca Racer

The Barca Racer is a fast, modern bicycle for urban cities that was created in an attempt to bring things back to basics: "The pure joy of riding a bicycle, letting it become an extension of your body and feeling the road and environment". In this concept, old style and new equipment have been combined and the result is a lot of awesome details to drool over. Or what do you say of rear horizontal dropouts, leather saddle with titaniumrails, integrated bell and highly efficient roller brakes? And of course it has handbuilt wheels!

Fredrik Hyltén-Cavallius
and Jacob von Matern
NIM



The NIM frame is made of a carbon fibre sandwich material which makes it very light and strong. NIM is also built to be as easy as possible to handle. An allen key is the only tool needed for all the main functions, for instance to turn the handlebars 90° making it easier to park in a tight bike stand. Put NIM in your car or bring it into your flat. To minimise the risk of ruining your trousers and to make the changing of a tyre as smooth as possible, the chain has been replaced by a belt drive and the internal 3-speed gear hub is placed between the pedals.



Anna Olstam
Caplico

As many toys today come with a predetermined game, the aim of this project was to design a toy that encourages children to be independently creative and active. Caplico lets the child connect cardboard sheets, making it possible to build large scale objects. What to create is up to the child to decide; the cardboard can be cut in varied shapes and painted. After use, the cardboard can be recycled or packed flat to be used again.

Caplico: applico = Latin word for connect, C is for cardboard

Cecilia Wahlberg
Home Free

The *Home Free System* consists of *A Bowl To Remember* and *A Cup Full Of Sound*. A Bowl To Remember is an induction charger, storing and charging your phone and other electronic devices. A Cup Full Of Sound is a Bluetooth speaker communicating with the Bowl, allowing you to hear the phone ringing or listen to music from your phone anywhere in your home.

Project in collaboration with Sony Ericsson

Thomas Demharter
Feelchair

Feelchair is a wireless mobile accessory to relax on. After a hard day you can use your Feelchair as a handsfree kit for making your phone calls. Or just listen to your favourite music. Microphone, loudspeakers and a headphone jack are built in. Massage pads enable you to feel the voice of the person you are talking to or get into the good vibrations of your music. Innovative led fabrics illuminate the sculpture with information about music or text messages, videos, light therapy programmes...

Project in collaboration with Sony Ericsson

Linn Källgren
Pulse

Energy scavenging was an interesting track that led me into thinking about how we use energy today and how we could allow ourselves to get trapped in our current oil addiction. Historically man used his/her own muscle power to produce and manufacture many things but with industrialisation and the use of fossil fuels machines took over the heavy tasks step by step. So what happened to the human muscle power? Well, it faded gradually. To prevent this and to feel healthy a massive workout trend started resulting in huge amount of energy going to waste in gyms and running tracks.

The goal for this project became to create a concept for generating energy where it is now wasted and make sure that this scavenging is as unconscious as possible. This means the act that generates the energy is not performed to create the energy but simply is a bonus for another activity.

Information found in scientific studies about energy scavenging was used as a starting point for calculating the potential amount of energy that could be generated using different methods. One of the most promising ways to generate power is to use the energy in a person's heal strike while walking. This compression force is relatively high and is enough to charge a mobile phone battery fully in about 2 hours.

Project in collaboration with Sony Ericsson

Karl-Johan Hjerling
and Tomas Ekström
Bloggle and IR Cloak

Project in collaboration with Sony Ericsson

Bloggle – Broadcasting your take on life.
Streams live footage via mobile phone to MySpace site.

IR Cloak – Because not every day is a great hair day.
IR projecting pendant that dazzles out digital photography.

Carl Nordenskjöld
Power Broom

What will gardens look like in 13 years? How can Flymo's brand values be translated into a physical product? What is the most versatile tool used today for cleaning up in a garden?

The Powerbroom can be used in any way a regular broom can be used: it can collect leaves, twigs, gravel or scatter snow and pine cones. With the added power of an electric motor it gives users the power to get rid of moss from their patios and walkways, but still keeps the noise down and air pollution at a minimum.

Project in collaboration with Husqvarna/Flymo

Anders P Hellberg
Flymo Rake

The issues of preserving life on our planet and the problems of consuming energy in a world dependent on finite resources can no longer be ignored. Therefore I opted to look beyond the traditional motorised Flymo products and looked at what work we can actually carry out ourselves, using only our bodies as engines. Tidying your garden very often includes raking. Wether it's leaves, twigs or grass, getting the stuff off the ground for transport is always a hassle. My solution combines the traditional rake with a set of extra large hands to lift the debris without having to carry extra items around the garden.

Project in collaboration with Husqvarna/Flymo

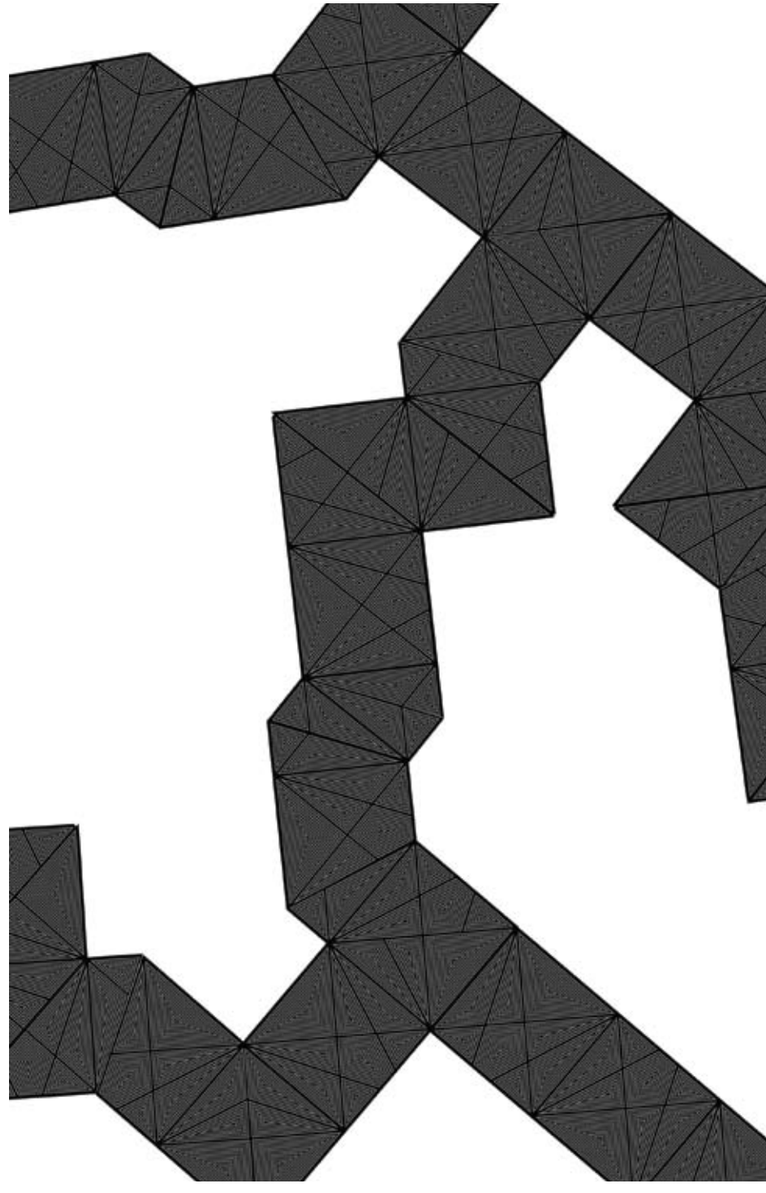
Lina Lewerth
Compot

There are a number of economic and environmental advantages to composting, but many people think it's hard work. Size, dampness, oxygen supply and temperature are some of the important aspects you need to consider. By solving some of the biggest problems, I wanted to make composting easier and work more efficiently.

The COMPOT is a composter that:
- Blends into the environment.
- Let's you regulate how much air you let into the container.
- Is easy to empty and allows you to empty a small amount of soil.

Project in collaboration with Husqvarna/Flymo

Johanna Nieminen
Flymo Way



The Flymo Way Project was based on the goal of finding new ways to tidy up garden walkways. The target user group was young families in big European cities in 2020. I focused on a winter garden theme and especially on the problem of slippery ground. Flymo Way is a heating carpet system for outdoor use to keep the walkways free from snow and ice. It can be modified to the required form because of the functional pattern on the carpet. By using Flymo Way you can avoid snow shovelling, sanding and salting during the winter and dust and cleaning in the spring time.

Project in collaboration with Husqvarna/Flymo

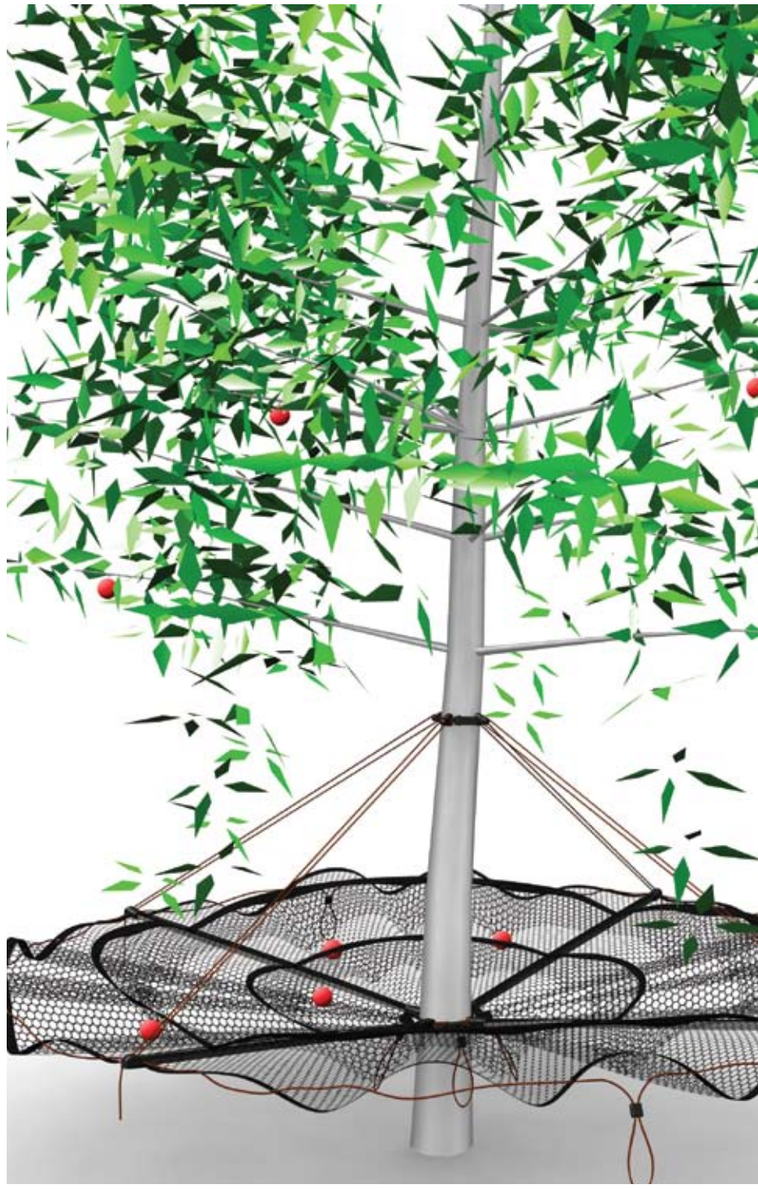
Oskar Daniel
Water Aide

Water Aide is a project aimed at lowering the extreme over consumption of water in the garden. To minimise evaporation, over-watering and rotting plants, Water Aide has rain and solar sensors to show when watering is needed and the risk of evaporation is low.

Conscious watering is a central concept. The user should be aware of the use of precious water, which is why no automatic systems are used. Instead, a few additional products can be used for convenience, using RFID technology. An indoor display shows if the garden needs to be watered, and a hose valve shuts the water off when the moisture level is optimal.

Project in collaboration with Husqvarna/Flymo

Tomas Johansson
Fruit Collector



What: A product that saves fallen fruit from rotting on the ground. It also saves the user from mashed fruit all over the garden.

Why: Windfalls rot fast and it is annoying and messy to pick them up; the fruit tends to stay fresher if it is not lying on the ground.

How: A flexible landing net in four parts connected by Velcro. Fits trees with a diameter of 8-30 cm. Extruding aluminium arms connected with plastic parts. Fixed to the tree with nylon cargo bands.

Project in collaboration with Husqvarna/Flymo

Therese Broberg
Family O' Four

The inspiration for this project was to take a closer look at the design process of my fellow classmates and myself. I alternated between the roles of being a quiet observer and an active advisor. Thanks to the privilege of being close to, but not a part of the work, I gained a great deal of insight into how our products come alive. I tried to capture and illustrate the time and effort and never ending work that lies behind a design project. A book and an exhibition were the results of my project.