Mjølner
INFORMATICS

YOUR EXPERTS
FOR EMBEDDED
SOFTWARE,
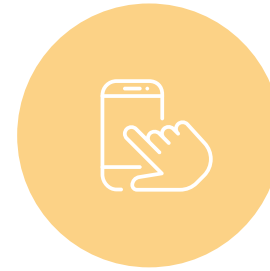USER INTERFACE,
AND MACHINE
LEARNING
DEVELOPMENT

EMBEDDED USER INTERFACE

> *Innovations are the key for success at E.G.O. -Group. To bring new products and technologies to success we need a partner who understands E.G.O.'s needs in advanced product design approaches. Mjølner is a great partner with a flexible process to match our needs throughout our collaboration, and their deliverables are of an excellent quality.*

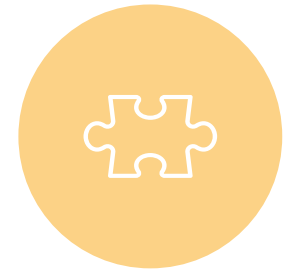*Arno Berger*
Director Product Development HOT
E.G.O. - Group

USER EXPERIENCE

EMBEDDED SOFTWARE

UI DESIGN

TOUCHGFX

We conceptualize, design, and develop **innovative and intuitive embedded solutions** that make your product stand out.

When interacting with an embedded product, most users expect a smartphone experience.

With us you get a **state of the art user interface (UI)** for your embedded product.

We optimize with regards to performance and interaction patterns, so you can keep the production cost down without compromising on the end user experience.
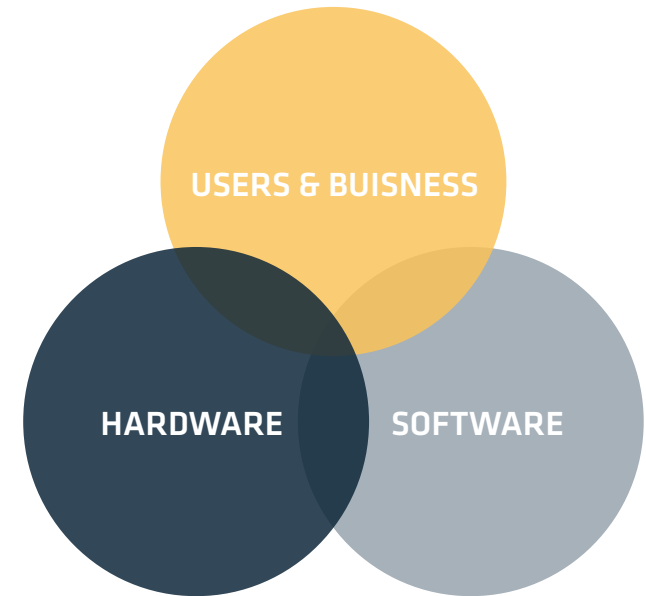
KICKSTART YOUR PRODUCT WITH A UI CONCEPT WORKSHOP

> "
>
> *Mjølner was invited to bring the very first product of our next generation into the world. They gathered an in-depth understanding of our business and product goals and delivered a stunning UI Concept that is truly pushing the limits of end user experience in our industry.*
>
> *Martin Heritage*
> *Head of Project Management*
> *Megger*

USERS & BUISNESS

HARDWARE   SOFTWARE

Our UI Concept is the perfect foundation for a successful embedded UI product. Our experienced designers and technical experts will take you through the process in a few weeks.

We kick-off our project with a two-day face-to-face workshop. Here we discuss business goals, users need, and hardware choices to make sure these are in focus from the very beginning.

After the workshop, we design, align, and refine the **visual concept** and the **technical architecture** of the product and deliver a **product development plan**.

We deliver everything you need to communicate the core functionality and the look-and-feel of your embedded product to relevant stakeholders and decide on how to finalize your embedded UI product.

FLEXIBLE DELIVERY MODELS

You get a complete, end-to-end, UI Development project delivery with Mjølner, where we handle all aspets of the development.

You can also have our embedded software experts join your development team while you manage the overall project yourself.

LET MJØLNER HELP YOU BECOME A
TOUCHGFX EXPERT

Do you want to become an expert in TouchGFX development? We can help you get the skills you need.

We start with a two-day training session, where we teach your team about general TouchGFX topics and facilitate hands-on experience with starting up a TouchGFX project.

To assure all necessary skills and knowledge within your team, we recommend a co-development project.

We develop an embedded product together as a team until your experts are ready to take full control.

JAN SERVAES

Product Manager
PsiControl

We have worked together with Mjølner on a product demo for the SwipeCurve. Mjølner created state of the art design and implementation of high-end graphics with maximum performance on our energy efficient hardware display. We are left with a stunning user- and graphical experience on our device – a product that will impress our customers.

HARVEST VALUE
ON YOUR DATA

Do you wish to gather and utilize the data generated on your embedded device?

We can help you identify and realize opportunities in your data, that contains valuable insights into your users' behaviour, improvement opportunitues, or even

predictions on maintenance or downtime.

The team at Mjølner covers all aspects of the data journey. We combine scientific rigor with deep implementation skills and strong focus on the end-user.

ENRICH **YOUR PRODUCT**
WITH AN APP

Have you considered enriching your service and strengthen your market position with an app that supplements your embedded product?

At Mjølner we conceptualize, design and develop apps, which are much more than a simple copy of your embedded product. An app can enrich or entirely change the way you provide a service to your customers, and it makes you stand out in the market.

Based on a two-day workshop we conceptualise the app, design critical screens, and deliver a clickable prototype.

We deliver a high-level architecture and development plan, providing you with everything you need to decide how to realize the app and communicate this to stakeholders and management.
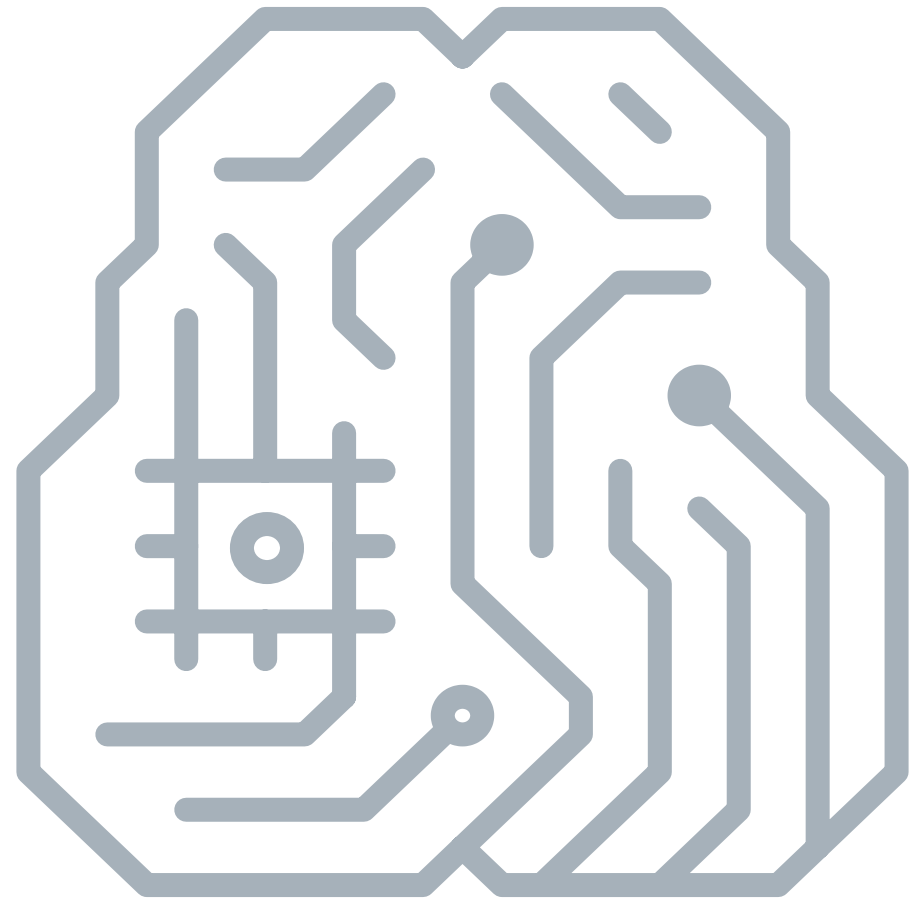
EMBEDDED MACHINE LEARNING & SECURITY

With a strong focus on performance optimization we are able to provide Machine Learning (ML) locally.

Always with a high level of application security. You get a one-stop embedded partner with Mjølner. Our experience range from pre-training full models on a PC, doing partial training using transfer-learning on a PC and making minimal training directly on the MCU using k-NN style networks.

ML ON MCU STORAGE

Performance optimization is our embedded software core.

As a result, we are able to train models for effective storage and inference on MCUs, especially in the area of computer vision, but also time-series data such as distance sensors or velocity inputs.

This is especially interesting for products where the input data cannot be transported to a Cloud System for analysis, either due to confidentiality issues or because of time-constraints.

YOUR **EMBEDDED SOFTWARE PARTNER**

With Mjølner you get a strong partner, who create value for your business across divisions and sectors from day one.

In addition to embedded software development, our services include:

- Data Insights
- Digital Transformation
- Internet of Things
- Embedded Security
- User Interface Design
- Firmware Development

Learn more at:
mjolner.com/embedded

Mjølner
INFORMATICS

MICHAEL HEEGAARD

DIRECTOR, SALES, STRATEGY
& PARTNERSHIPS

+45 41 95 36 10
mhe@mjolner.dk

LASSE SKOV

BUSINESS DEVELOPMENT MANAGER

+45 29 44 43 77
lsk@mjolner.dk

CONTACT US

Mjølner Informatics A/S
Finlandsgade 10, DK-8200 Aarhus N
+45 70 27 43 43
www.mjolner.com

FOLLOW US

Yes, we are social!