Senja Maskin AS – Website Specifications

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# Senja Maskin AS

Senja Maskin AS is a newly formed company that does mountain drilling and demolition.

They want a website for their company so that people can get a look at what they do, and so that potential customers can reach out and contact them.

The main focus for Senja Maskin AS is to have customers contact them about the services they provide, which is drilling and demolition on mountains.

A key feature asked by Senja Maskin AS is a way for the customers to contact them by a on page messaging system/contact form.

It should also be responsive, and the user experience should be superb between all screens.

For the purpose of the design, Lorem Ipsum is fine as filler text for now. Final Copy will be dictated by collaboration with the company.

[Reference footage on mountain drilling (not produced by Senja Maskin AS)](https://www.youtube.com/watch?v=_1YNQnMf2YI)

[Reference footage on mountain demolition](https://www.facebook.com/oddkjetil.hansen/videos/vb.1019328421/10207467480218042/?type=2&video_source=user_video_tab)

# Functional Specifications

|  |  |
| --- | --- |
| REQUIREMENTS TITLE | DESCRIPTION |
| Responsive Website | It is important that the website is responsive and meets modern standards. |
| Main Page | Call-To-Action buttons to forward the user to the different pages on the website.   * CTA   + About Us   + Contact Us   + Machine Equipment |
| About Company Page | * Text About Company * Image(s)   + Imagery fit for a mountain drilling and demolition company. |
| Contact Us Page | * Contact Form/On Page Message Form   + Name   + E-Mail   + Phone   + Message * Social Media (FB) * E-Mail * Phone * Location – Office address (NB: call to set up a meeting/appointment) |
| Machine Equipment | The Machine Equiment page will display what equipment Senja Maskin AS possesses, such as drilling machines and special equipment appropriate for their field of work.   * GPS Navigation System (L5? – Carlson Drill Grade System) * Sandvik Borerigg   + Dino 400   + DX 780 * ADR Vehicle and Trailer |
| Header | First, it’s important to mention that the header should be responsive.  The full logo should be used in the header with the company’s vision.  Logo should also bring the user back to the home page.   * Logo * Navigation Links   + Home   + About Us   + Contact Us   + Machine Equipment |
| Footer | The footer will contain navigation links, social media button, contact buttons through e-mail and phone, and a copyrights line.   * Copyrights * Navigation Links   + Home   + About Us   + Contact Us   + Machine Equipment * Social Media (FB) * E-Mail * Phone |

# Technical Specification

|  |  |
| --- | --- |
| DEVELOPMENT TITLES | DESCRIPTIN |
| General Specifications | No additional framework will be needed for this project. The website will be completed using HTML, CSS, and JavaScript. The PHP Mail function will be used for contact form system.  The website will utilize CSS Grid and Flexbox for the design layout. |
| Header | The header needs to be responsive with a burger menu for smaller screen devices. |
| Footer | The footer needs to be responsive. Look into “copy-to-clipboard” functionality for the e-mail button. Phone number button will prompt the user on smaller devices to call the number or not. |
| Main Content | The main content needs to be responsive. |
| Contact Form System | HTML validation and JavaScript pattern checking will be used to validate the input fields. |

# Design

[Adobe XD Prototype](https://xd.adobe.com/view/a9af2c34-d403-4b46-415b-8236d7634f40-df9e/)

For the design of the website I’ve focused on keeping it simple and easy to navigate.

The website is mobile responsive and will fit every screen viewed on.

## Header

Header with the logo on the left, and the navigation links to the right. The logo will also work as a link to the home screen.

For mobile screen it changes to a burger menu. When clicked the menu will drop down, revealing the navigation links. The logo will still take the user to the home screen.

## Footer

For the footer, I’ve made a 3-column layout for desktop screens. On the left column there will be navigation links like the ones found in the header. In the centre column there will be a link to social media (Facebook), and in the left column there will be contact information for both e-mail and phone.

## Home

For the main content on the home screen I’ve chosen a 3-column layout to get the user to move on to either of the alt pages and discover Senja Maskin and what they have to offer.

In the mobile version the content will snap down to a 1-column layout but keep the same flow.

## About Us (Om Oss)

On the about us page there is one large card where Senja Maskin is free to write down anything they would like and talk about their company. There was a question about having employee cards on this page, but that would be for a future project.

## Contact Us (Kontakt Oss)

On the contact us page I’ve taken elements from the footer, such as the social media and e-mail and phone buttons. I’ve also made a design for one of the key features that Senja Maskin asked for, the contact form which lets the user send a message directly form the contact page.

## Machine Equipment (Maskinpark)

On the machine equipment page I’ve created a few card layouts that can be utilized to showcase what machinery Senja Maskin currently has. This would also be easy to update, making simple card styling that can be applied to new elements on the fly, as they will eventually get hold of more equipment.

# Development

(Following content needs restructuring…)

## Log entry 2019/01/17

I completed development of the header. Deciding on using the simple responsive navbar I researched earlier on YouTube and made a [navbar template on codepen.io](https://codepen.io/rubenhansen94/pen/GPYyev) for future use.

I tested with Flexbox and CSS Grid but neither of them gave the desired result I was seeking for this design without completely reworking the header. However, they made it simpler to manipulate the elements in the header compared to floating the links in the final design.

I have used an H1 for the logo and added a title to the link explaining the content of the image and what clicking it will do. I also added a title attribute to each of the navigation links.

I’ve used breakpoints at 80rem (1280px), 60rem (960px), and will create more for even smaller screens when there is need for more finetuning.

The header changes to a burger menu at 60rem (960px). Changes the header height and set a fixed with for the company logo which scales without problem all the way down to 20rem (320px, iPhone 5/SE).

## Log entry 2019/01/18

Worked on the footer for the website. For this part I have used CSS Grid to best replicate the layout I created in the Adobe XD design.

I’ve added [alertifyJS](https://alertifyjs.com/) for a simple and easy to use notification system. When the user clicks on either the phone number or email it will copy the element to the user’s clipboard and notify the user about it. I added a document.body.clientWidth function check when clicking on the phone number or email so that when the user is on a smaller device, the pop-up will be in the centre at the bottom of the screen.

I added and use Font Awesome for the icons in the footer (Facebook, Phone, and Envelope).