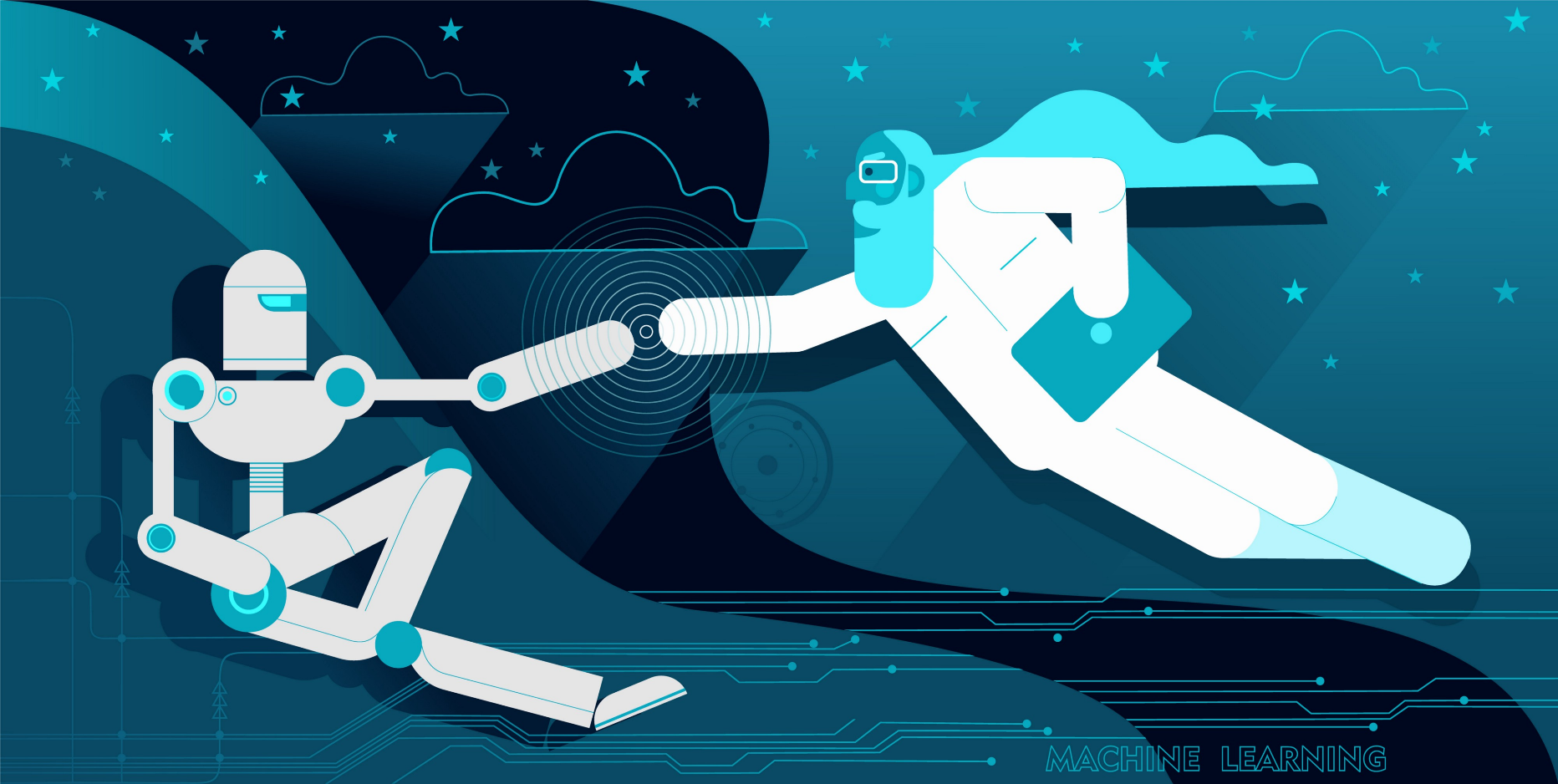
Project title

Eirik Duesund Helland



Preface

*Red text is help text and can be removed as the project progresses.*

*This is a general (for both feasibility studies and design reports) report template that will be the basis for all hand-ins and the final “design sprint”. In the fist hand-in the goal is to structure this template so I mirrors the project of interest.*

*Remember to*

* *Write in the full name of the authors on the first page*

*About the formatting:*

* *Calibri or Times New Roman…. NO COMIC SANS*
* *Font size – 11*
* *Table and figure font size – 9*
* *Table text is placed over the table*
* *Figure text is placed under the figure*
* *Right-click on table/picture and insert caption (sett in bildetekst).*

*About the written language*

* *Norwegian or English.*
* *Avoid informal writing eg. “we think”, “we suggest”* 
  + *Eg. Instead of we think; “based on the key findings in this work the project group suggest”*

*About references*

* *Use the word “reference tool”*
* *If a reference Is identified use the “insert quotation” and create a bibliography*

*Advice*

* *When working on the report remember to update the table of content* 
  + *Good way of getting overview of the report as you progresses,*
* *When reading your report…try to make it fun*
  + *My personal favourite…. Read it with Sir David Attenboroughs voice.* 
    - [*https://www.youtube.com/watch?v=p1PID91sEW8*](https://www.youtube.com/watch?v=p1PID91sEW8)

Executive summary

*Executive summary - A brief summary (1-2 pages) of the key findings in the report.*

*------------------------------------------Introduction Paragraph ---------------------------------------------------------------------*

*------------------------------------------problem statement Paragraph -----------------------------------------------------------*

*------------------------------------------overview of the work performed Paragraph --------------------------------------------*

*-----------------------------------Overview of the key findings and recommendations ------------------------------------------*

Sammendrag

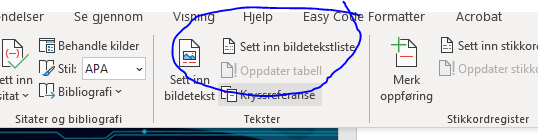
Abbreviations

Eg.

ML – Machine Learning

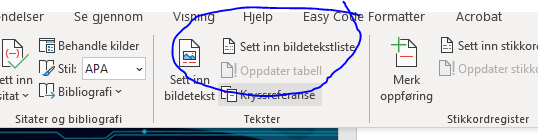
List of figures

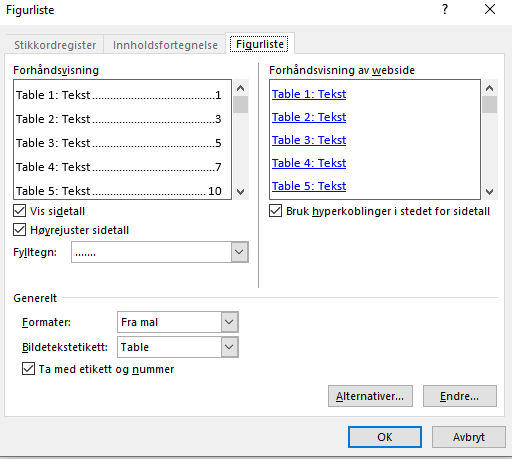
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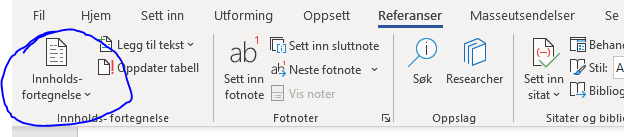
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# Introduction

## background

*Describe the overall background for the project… see the “how to make a good introduction” video on canvas.*



*The goal is shown to the reader that the problem you are working on is a real one.*

*Then as you progress try to introduce the topic of the project as smooth transition to problem statement*

## Problem statement

Introduce the problem

### goals and objectives

The overall goal is to……..

In order to achieve this the following objectives and activities as been set

* Research
  + Preform a theoretical review of key concepts in order to provide a theoretical framework for understanding the project.
  + Identify state-of-art solution through a technical review
  + Research Activity
  + Research Activity
  + Provide summary
* Development/method
  + Activity
  + Activity
  + Activity
  + Provide summary
* Evaluation
  + Activity
  + Activity
  + Activity
  + Provide summary
* Recommendations and further work

### Limitations

This is a crucial section…

# Theory and key concepts

Present the chapter………….. usually the main objective is to present key concepts or underlying

## Theory

Eg. https://www.sick.com/ag/en/condition-monitoring-in-hydraulic-and-pneumatic-systems/w/blog-fluid-power-condition-monitoring/

## Theory

## Theory

## State-of-the-art analysis - Technical review

Review of research work

Eg. <http://liu.diva-portal.org/smash/get/diva2:1420733/FULLTEXT01.pdf>

<https://core.ac.uk/download/pdf/81123358.pdf>

<https://tud.qucosa.de/api/qucosa%3A29408/attachment/ATT-0/?L=1>

## Summary

Present the key results from this chapter

# method

Present the chapter…………..

in the first hand-in the goal is that you structure the following sub-sections in this report

some examples

## design description

### concept Overview

Overall description of concept

### system architecture

<https://www.lucidchart.com/pages/examples/flowchart-maker>

<https://app.diagrams.net/>

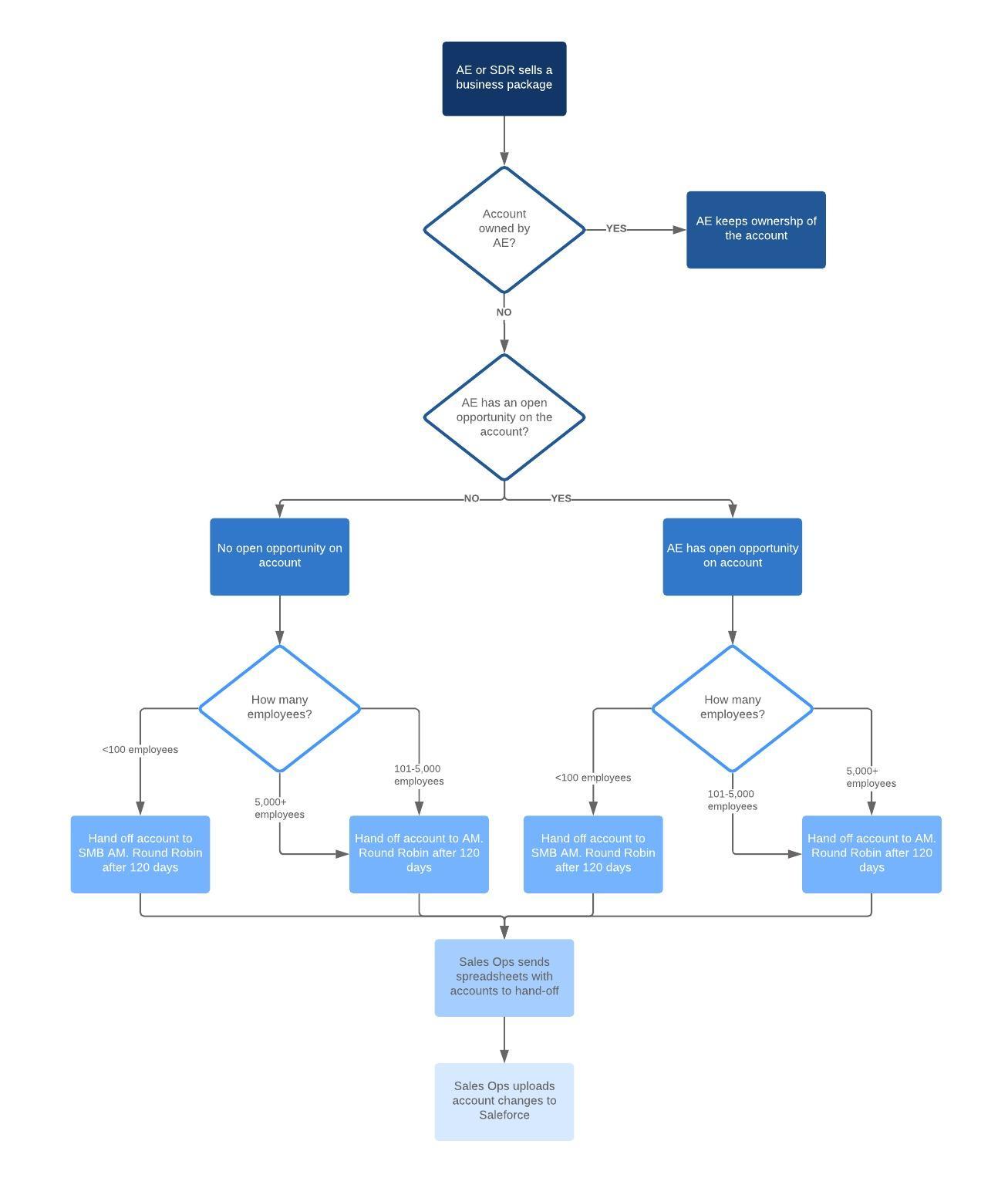
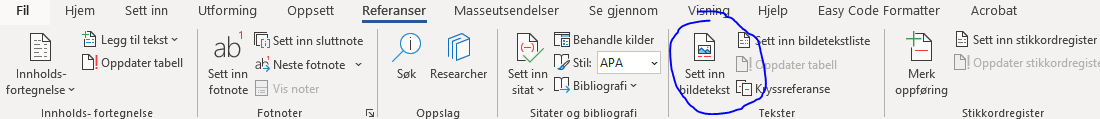
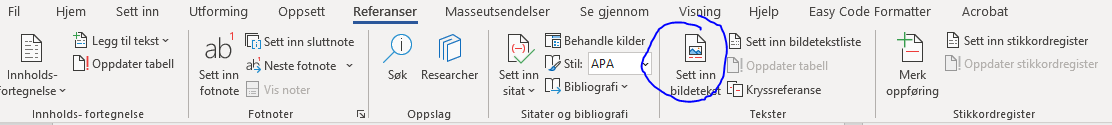


Figure system architecture



## Summary



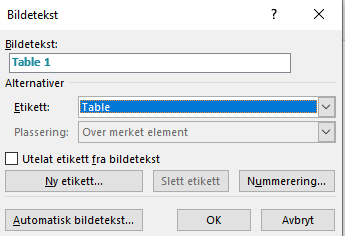


Table eksempel på tabell

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

# Evaluation and results

Present the chapter…………..

in the first hand-in the goal is that you structure the following sub-sections in this report

## Testplan

Example

## Simulation

Example

## Experimental

Example

## Results

Example

# Conclusion and recommendations

Provide the reader with a reminder of project goal

What has the project group done

What is the key results?

What does the project group recommend based on the work done.

## further work

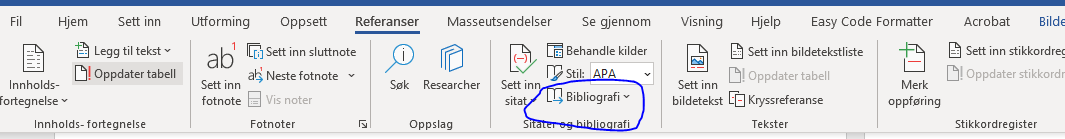
Imagine you are in charge of project hand-over to a new project group

Provide a section about further work

* Improvements
* Loose threads

# references

**Det finnes ingen kilder i gjeldende dokument.**



# Attachments

## Source code

Key source code

Link to github