## Worksheets

- Double Tracking Antennas for Drone Communication -

Control and Automation Msc. Group 832

Aalborg University Electronics and IT





**Electronics and IT**Aalborg University

http://www.aau.dk

Title:

Project Title

Theme:

Scientific Theme

**Project Period:** 

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**Project Group:** 

XXX

Participant(s):

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Supervisor 1

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February 9, 2016

**Abstract:** 

Here is the abstract

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#### **Elektronik og IT** Aalborg Universitet http://www.aau.dk

### **AALBORG UNIVERSITET**

STUDENTERRAPPORT

**Afleveringsdato:** 9. februar 2016

Titel: Rapportens titel	Abstract:
Tema: Semestertema	Her er resuméet
<b>Projektperiode:</b> Efterårssemestret 2010	
Projektgruppe: XXX	
Deltager(e): Forfatter 1 Forfatter 2 Forfatter 3	
<b>Vejleder(e):</b> Vejleder 1 Vejleder 2	
Oplagstal: 1	
Sidetal: 9	

Rapportens indhold er frit tilgængeligt, men offentliggørelse (med kildeangivelse) må kun ske efter aftale med forfatterne.

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# **Todo list**

	Is it possible to add a subsubparagraph?	2
	I think that a summary of this exciting chapter should be added	2
	I think this word is mispelled	5
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# **Preface**

Here is the preface. You should put your sig	natures at the end of the preface.
	Aalborg University, February 9, 2016
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## Introduction

Here is the introduction. The next chapter is chapter 3. a new paragraph

### 1.1 Examples

You can also have examples in your document such as in example 1.1.

### Example 1.1 (An Example of an Example)

Here is an example with some math

$$0 = \exp(i\pi) + 1. \tag{1.1}$$

You can adjust the colour and the line width in the macros.tex file.

### 1.2 How Does Sections, Subsections, and Subsections Look?

Well, like this

#### 1.2.1 This is a Subsection

and this

#### This is a Subsubsection

and this.

A Paragraph You can also use paragraph titles which look like this.

Is it possible to add a subsubparagraph?

**A Subparagraph** Moreover, you can also use subparagraph titles which look like this. They have a small indentation as opposed to the paragraph titles.

I think that a summary of this exciting chapter should be added.

1

## Scenario

#### 2.1 Communication

The free space path loss (FSPL) is the loss in signal strength that occurs when an electromagnetic wave travels over a line of sight path in free space. In these circumstances there are no obstacles that might cause the signal to be reflected, refracted, or that might cause additional attenuation. Equation 2.1 represents the loss in signal strength.

$$L = 20log\left(\frac{4\pi d}{\lambda}\right) \tag{2.1}$$

The wave length can also be described by a relationship between the frequency and the velocity which is the light speed because radio waves are electromagnetic waves. This relationship is described by the equation 2.2.

$$\lambda = \frac{c}{f} \tag{2.2}$$

Considering an area of a

$$\lambda = \frac{c}{f} = \frac{3 \times 10^8}{f \times 10^6} = \frac{300}{f} = \frac{3}{10f}$$
 (2.3)

### 2.2 Rescue missions

- 2.2.1 What do they do today?
- 2.2.2 Compare the rescue missions

## 2.3 Pipeline survey

The pipeline survey could be to transport oil from a factory to another facility. To ensure that there is no thiefs that want to steal the oil, they have to hire people to patrol. Instead they could use a drone to search the area. Potential danger

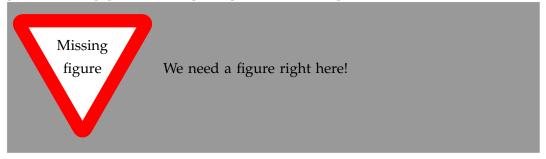
Figure 2.1: Pipeline survey

- Terrorist
- Thiefs

# Chapter 2 name

Here is chapter 2. If you want to leearn more about  $\[ \]$   $\[ \]$  And  $\[ \$ 

I think this word is mispelled



## Conclusion

In case you have questions, comments, suggestions or have found a bug, please do not hesitate to contact me. You can find my contact details below.

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# Appendix A

# Appendix A name

Here is the first appendix