20XX | Report Title Here

Report Subtitle Here

Supervisor: Dr.---------
Associate Supervisor: Dr.---------
Industrial Contact: Mr.---------

Independent Assessor: Dr.---------

PhD Candidate: Ms.---------

Contents

Nomenclature

Symbol	Units	Description
ΔV	V	Change in voltage
k	$Varies$	Coupling factor
E	Pa	Young's modulus
x	cm	Coordinate along the cell width
$\kappa_{\mathrm{D}}^{\mathrm{eff}}$	A/cm	Effective diffusional conductivity of the species
c_{e}	mol/cm^3	Volume-averaged concentration of lithium in the electrolyte phase
c_{s}	mol/cm^3	Volume-averaged concentration of lithium in the solid phase
i^{Li}	A/cm^3	Reaction current resulting in production or consumption of lithium

Abbreviations

BEV	Battery Electric Vehicle
EV	Electric Vehicle
HEV	Hybrid Electric Vehicle
SOC	State of Charge
SOH	State of Health

1 Project Definition

1.1 Research question

The purpose of this project is to answer the following question:

Research question goes here

1.2 Hypothesis

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

Hypothesis goes here

1.3 Scope

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1.4 Approach

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

2 Topix X: An Introduction

2.1 Context

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language. [**?**]

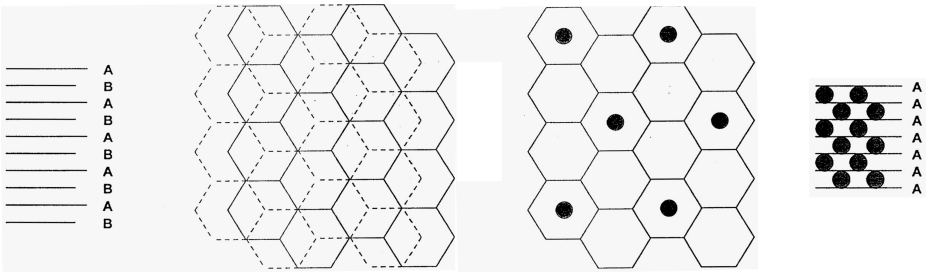

Figure 1: Image caption text goes here [**?**].

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

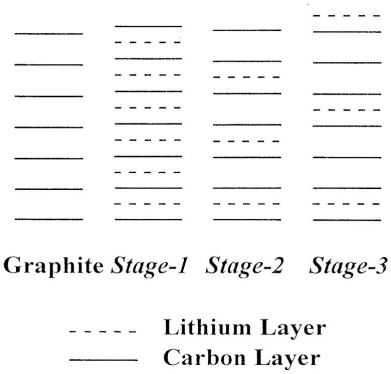

Figure 2: Image caption text goes here [**?**] [**?**].

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

2.2 State of Knowledge

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

Here is an example of a citation [**?**].

Here is an example of acronym usage, where the acronym is called from the earlier-defined list: State of Charge (SOC).

The Trajectory section, section 4.1, provides an example of how to perform linked section referencing, which is really useful!

2.3 Doing Y in Topic X

2.3.1 A sub-sub heading

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

$$\frac{\delta\left(\epsilon_{\mathrm{e}}c_{\mathrm{e}}\right)}{\delta t} = \frac{\delta}{\delta x}\left(D_{\mathrm{e}}^{\mathrm{eff}}\frac{\delta}{\delta x}c_{\mathrm{e}}\right) + \frac{1-t_{+}^{0}}{F}i^{\mathrm{Li}} \tag{1}$$

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

2.3.2 Another sub-sub heading

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

2.3.3 A sub-sub heading again

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

An example of section referencing is to call this section; 2.3.2.

An example of citation is as follows... [**?**]

An example of in-line super and subscripts is as follows: 10^{-5} to 10^{-1}. Subscript here: 10_{-1}

2.4 Summary

An example of figure referencing is this line of text referring to Figure 3.

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

Here's a summary image/table of the preceding section	
1. This is a trait of the literature, or a characteristic of the industry, our product, etc[a].	4. You're getting the idea.
2. Here's another trait.	5. You're tired of the idea.
3. And another.	

Figure 3: Here's a generic figure caption where a hypothetical superscript in the image coincides with that for at the following citation [a] [**?**]

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3 Work to Date

3.1 First Major Workpackage

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

3.2 Second Major Workpackage

3.2.1 First Minor Workpackage

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

Here is a random example of some more figure referencing, where we refer to Figure number 4.

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Charge conservation, electrolyte phase

$$\frac{\delta}{\delta x}\left(\kappa^{\text{eff}}\frac{\delta}{\delta x}\phi_{\text{e}}\right)+\frac{\delta}{\delta x}\left(\kappa_{\text{D}}^{\text{eff}}\frac{\delta}{\delta x}\ln c_{\text{e}}\right)+i^{\text{Li}}=0 \quad (2)$$

Charge conservation, solid phase

$$\frac{\delta}{\delta x}\left(\sigma^{\text{eff}}\frac{\delta}{\delta x}\phi_{\text{s}}\right)-i^{\text{Li}}=0 \quad (3)$$

Lithium conservation, electrolyte phase

$$\frac{\delta\left(\epsilon_{\text{e}}c_{\text{e}}\right)}{\delta t}=\frac{\delta}{\delta x}\left(D_{\text{e}}^{\text{eff}}\frac{\delta}{\delta x}c_{\text{e}}\right)+\frac{1-t_{+}^{0}}{F}i^{\text{Li}} \quad (4)$$

Lithium conservation, solid phase

$$\frac{\delta c_{\text{s}}}{\delta x}=\frac{D_{\text{s}}}{r^{2}}\frac{\delta}{\delta r}\left(r^{2}\frac{\delta c_{\text{s}}}{\delta r}\right) \quad (5)$$

We can write equations and symbols in formatted columns on in-line, like the following character in this line c_{e}. We can also insert Greek symbols ϕ_{e} and fractions, for example: $\frac{R_{\text{SEI}}}{a_{\text{s}}}i^{\text{Li}}$.

$$i^{\text{Li}}=a_{\text{s}}i_{0}\left[\exp[\frac{\alpha_{\text{a}}F}{RT}(\eta_{\text{s}}-\frac{R_{\text{SEI}}}{a_{\text{s}}}i^{\text{Li}})]-\exp[\frac{\alpha_{\text{c}}F}{RT}(\eta_{\text{s}}-\frac{R_{\text{SEI}}}{a_{\text{s}}}i^{\text{Li}})]\right] \quad (6)$$

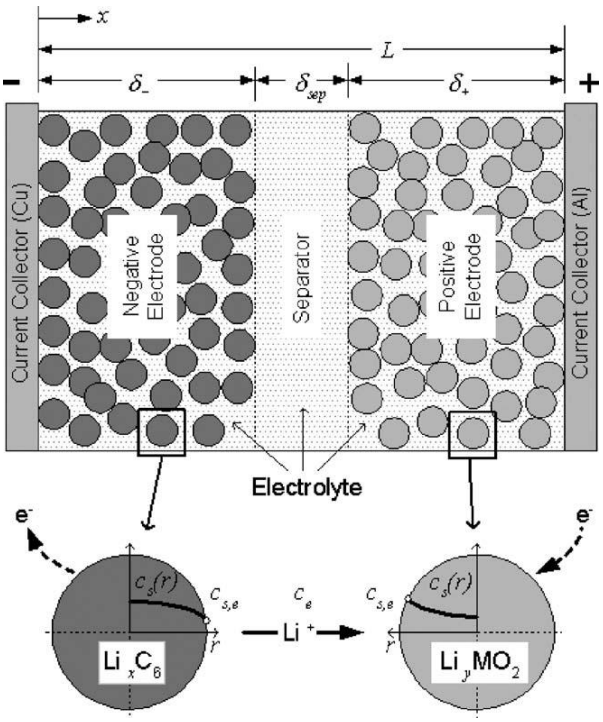


Figure 4: Here's an image caption, and a reference [**?**].

3.2.2 Second Minor Workpackage

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

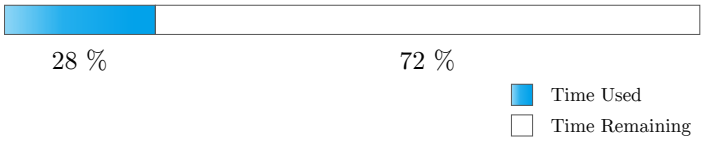
3.3 Communication & Learning

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

If you'd like to include some text - or links - as footnotes, you can of course do that! Here's an example of two footnotes. [1,2]

[1] `https://someURL.com`
[2] `https://anotherURL.com`

4 Progression



Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

4.1 Trajectory

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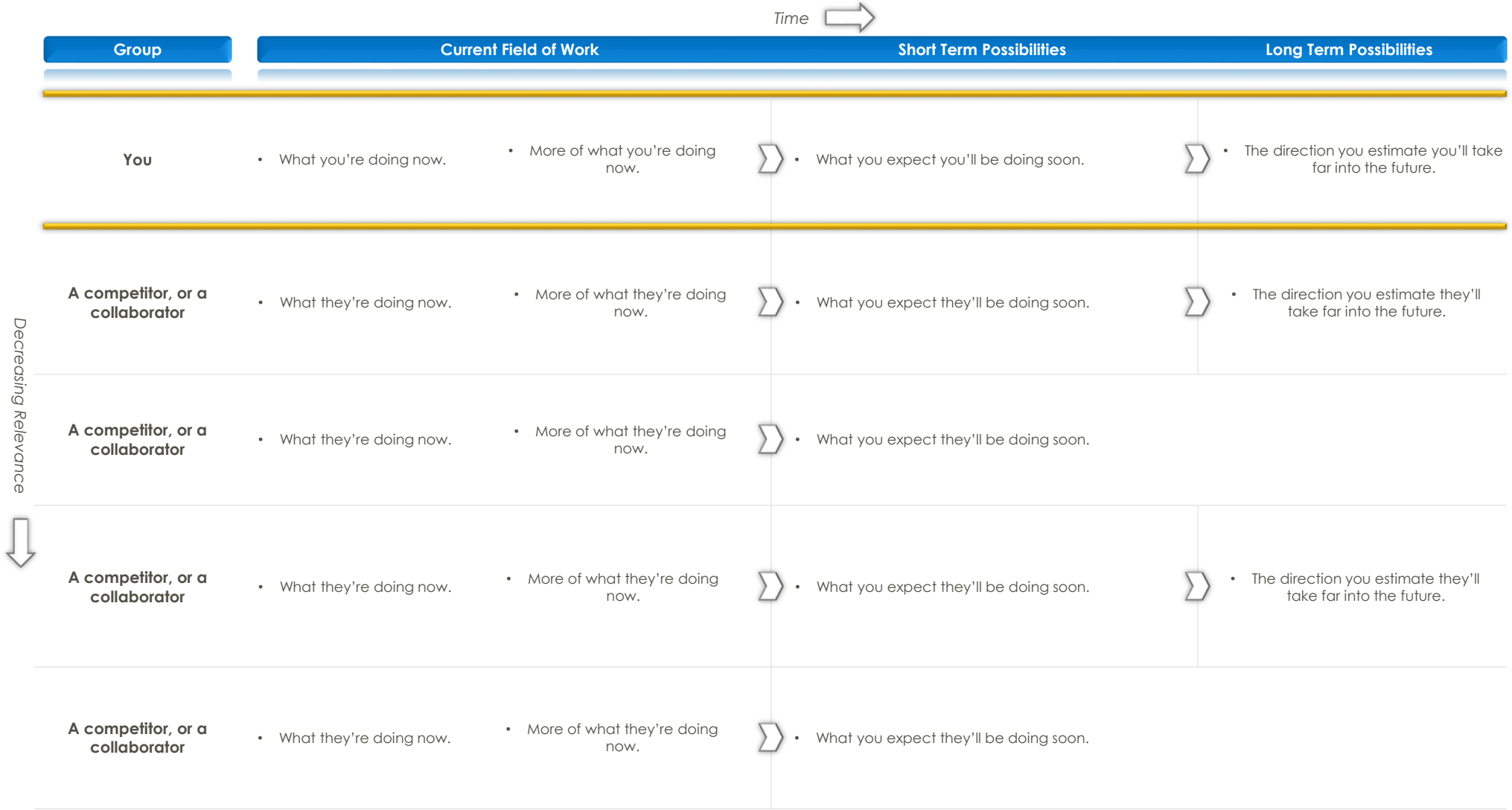

Figure 5: Here's the caption text for the landscape-format image.

4.2 Communication

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

5 Conclusion

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5.1 Acknowledgements

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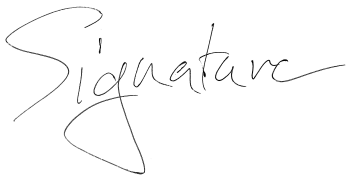

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6 References

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