

DS Elektrodag

-fremtidssikret elnet

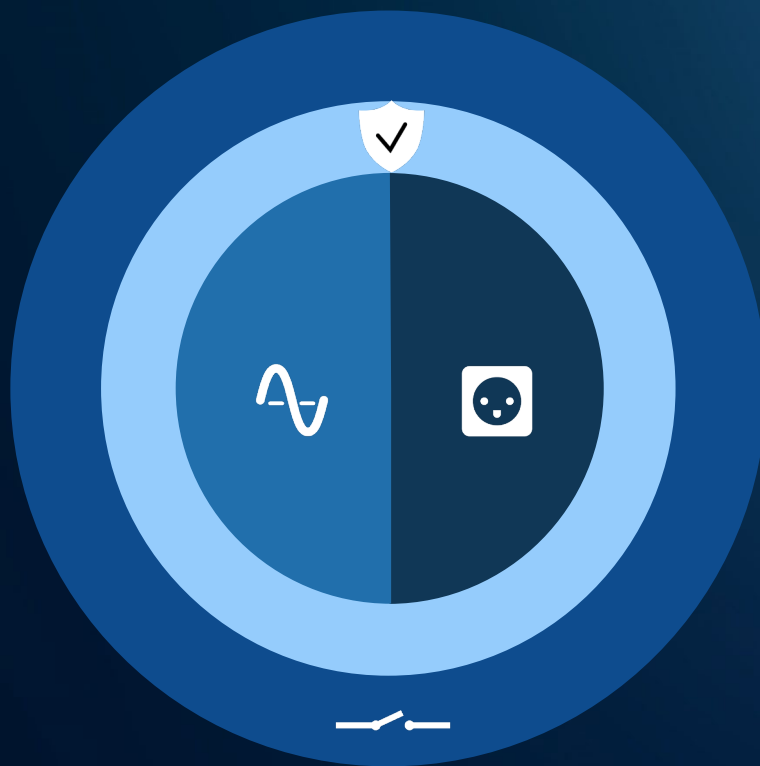
13. marts 2025



DANSK STANDARD

DS Elektrodag

-fremtidssikret elnet



Næste indlæg:

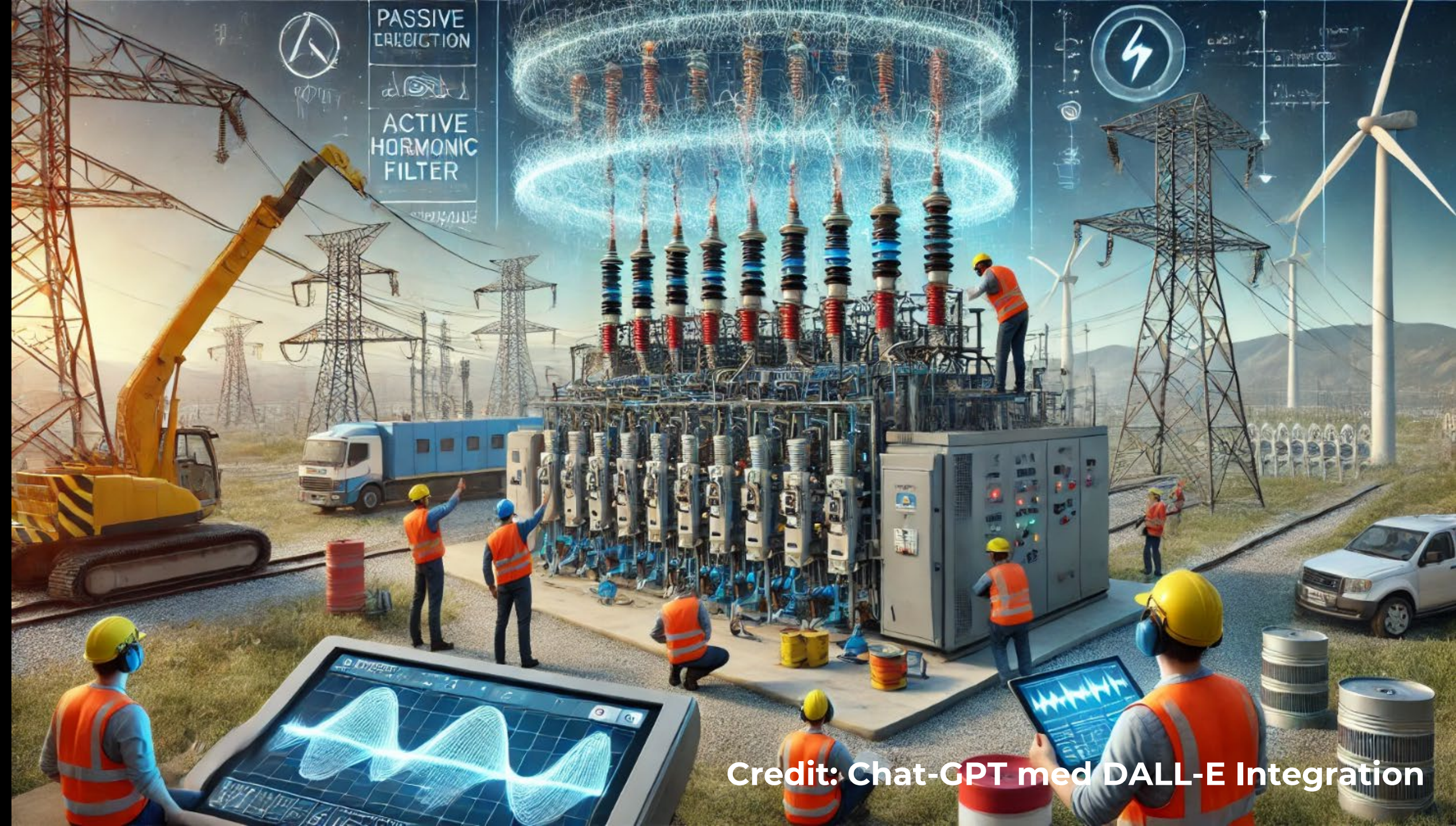


**16.30 Fra kabellægning og grøn energi
mod det stabile fremtidssikrede
elnet**

v/ Anders Dahl Johnsen, Partner,
CCO & Lead Consultant,
Eluminate

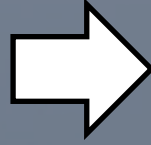


ELUMINATE



Credit: Chat-GPT med DALL-E Integration

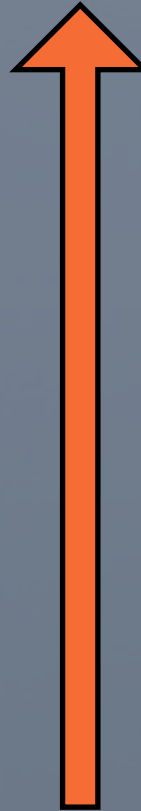
WHY



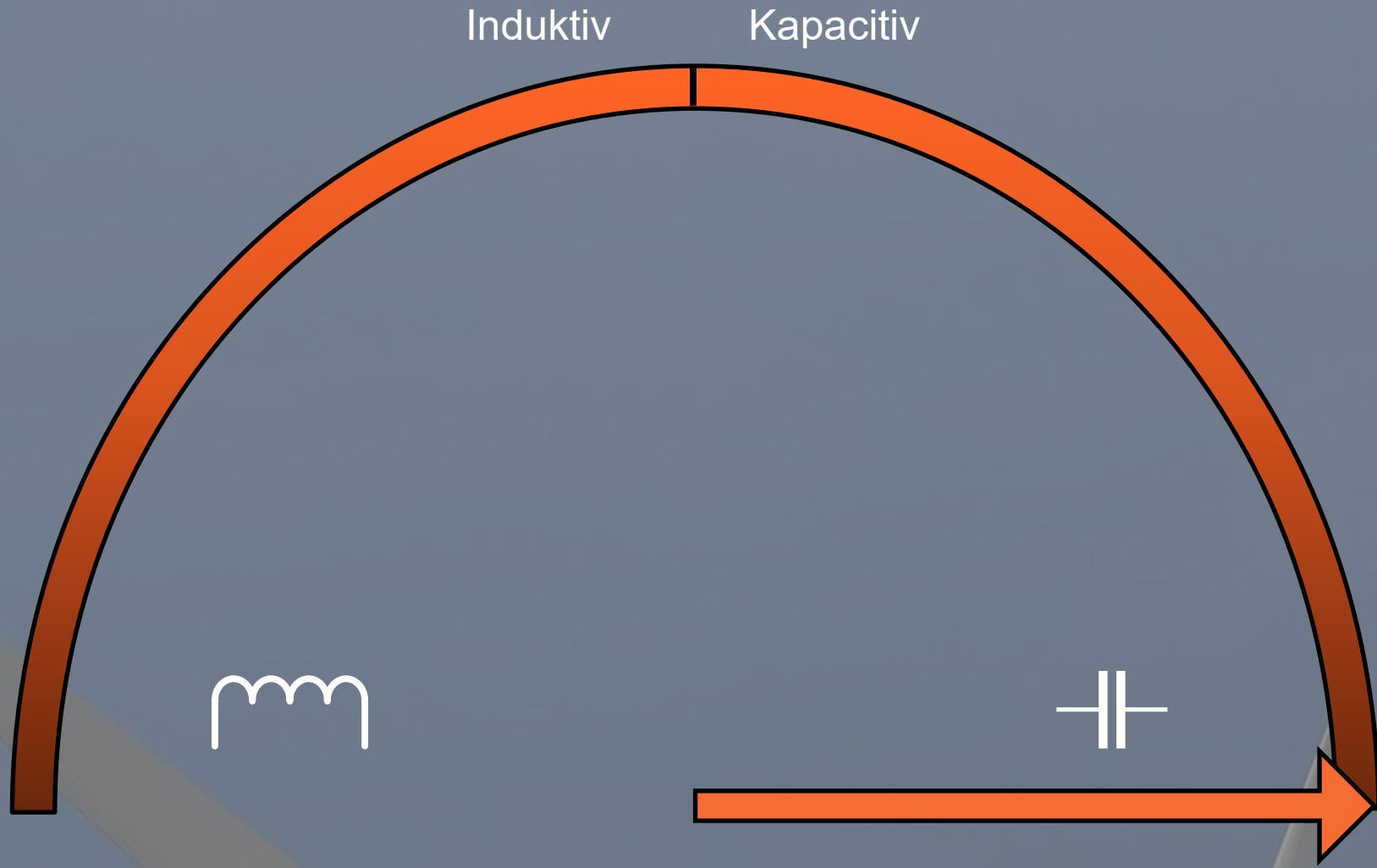
WHY

Induktiv

Kapazitiv



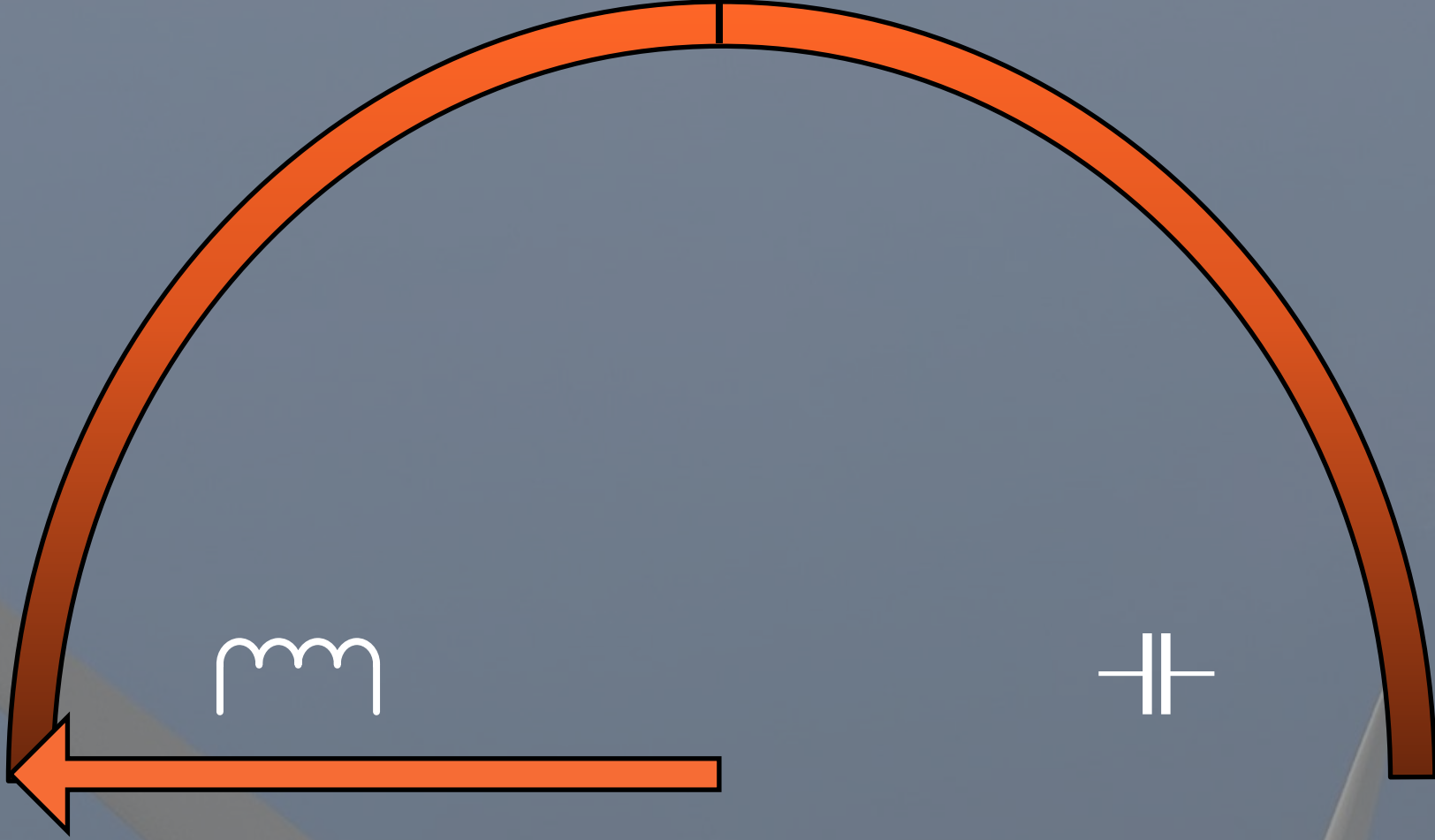
WHY



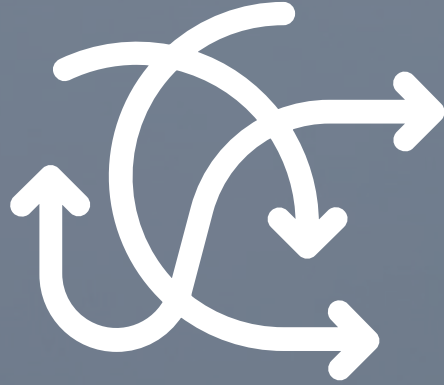
Induktiv

Kapacitiv

WHY

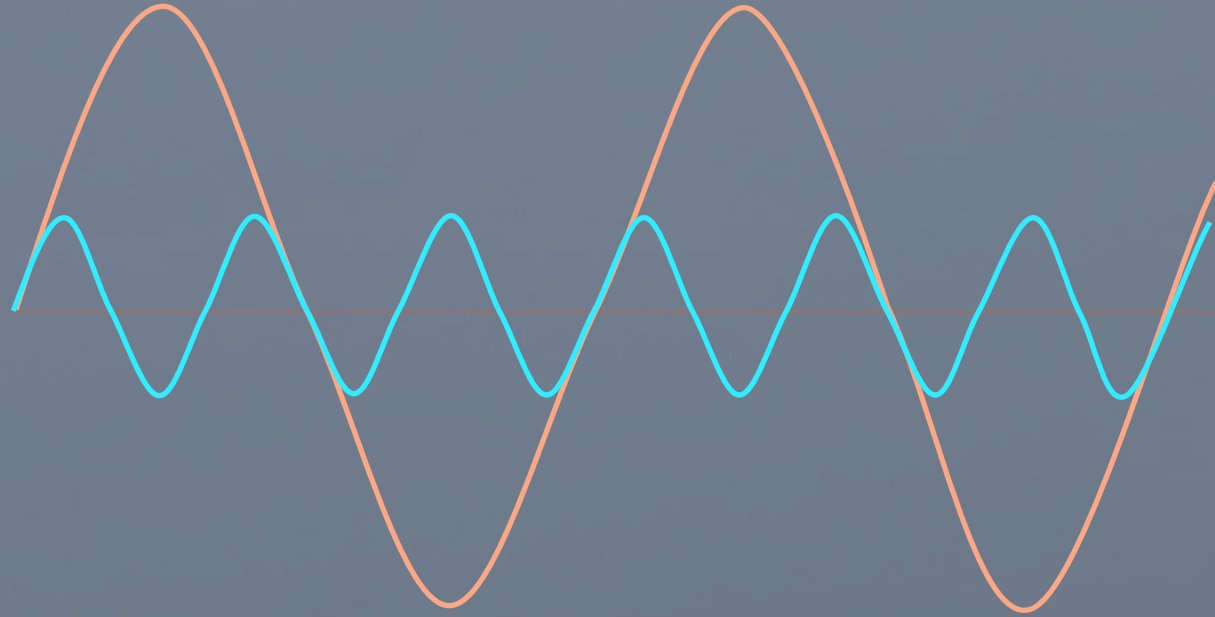


WHY

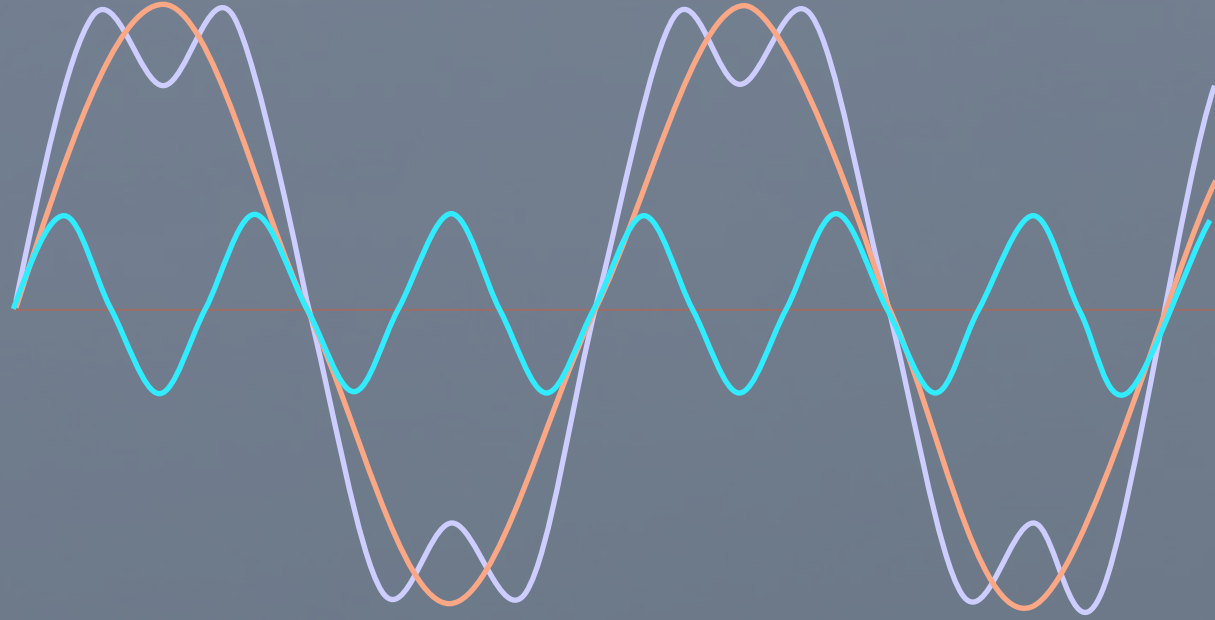


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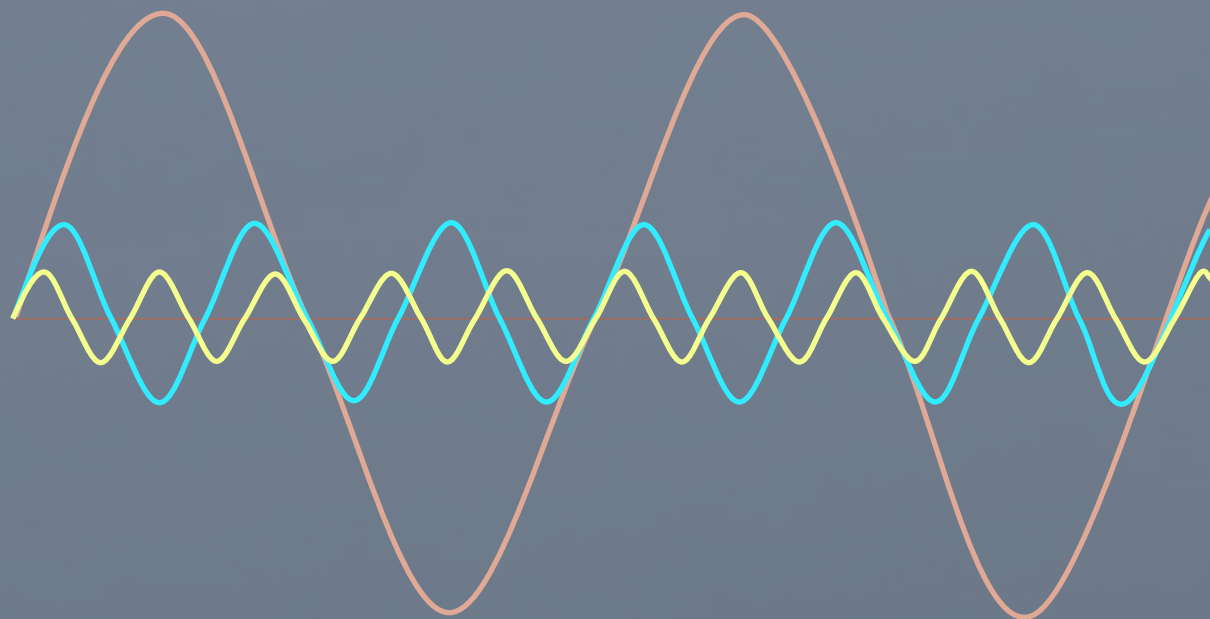
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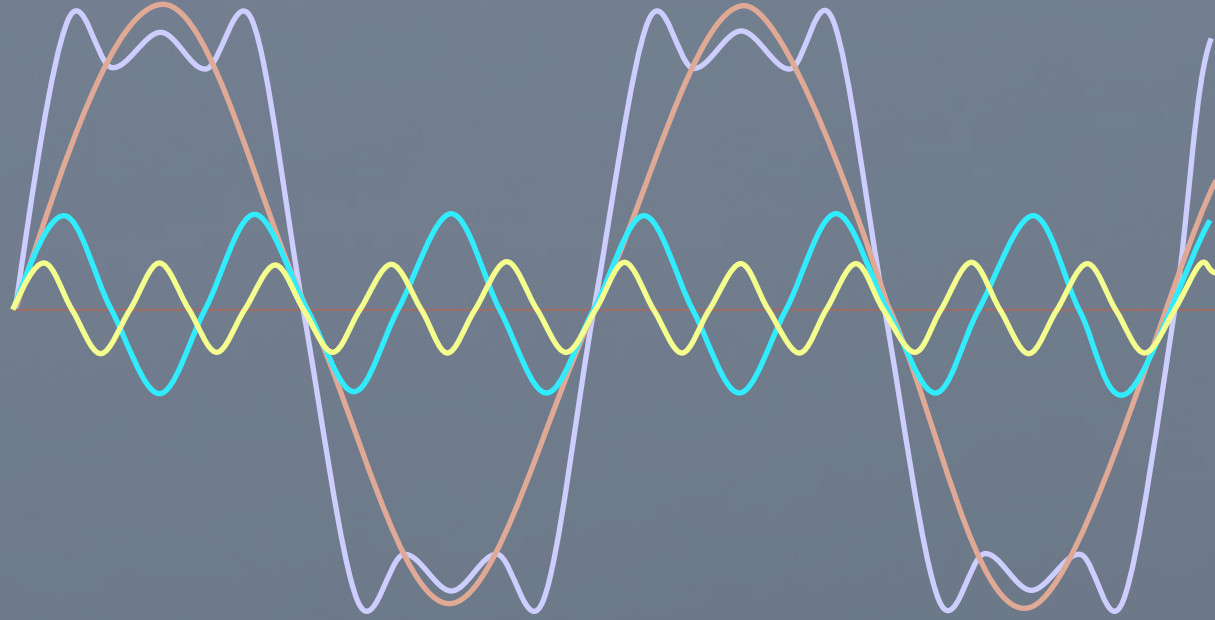
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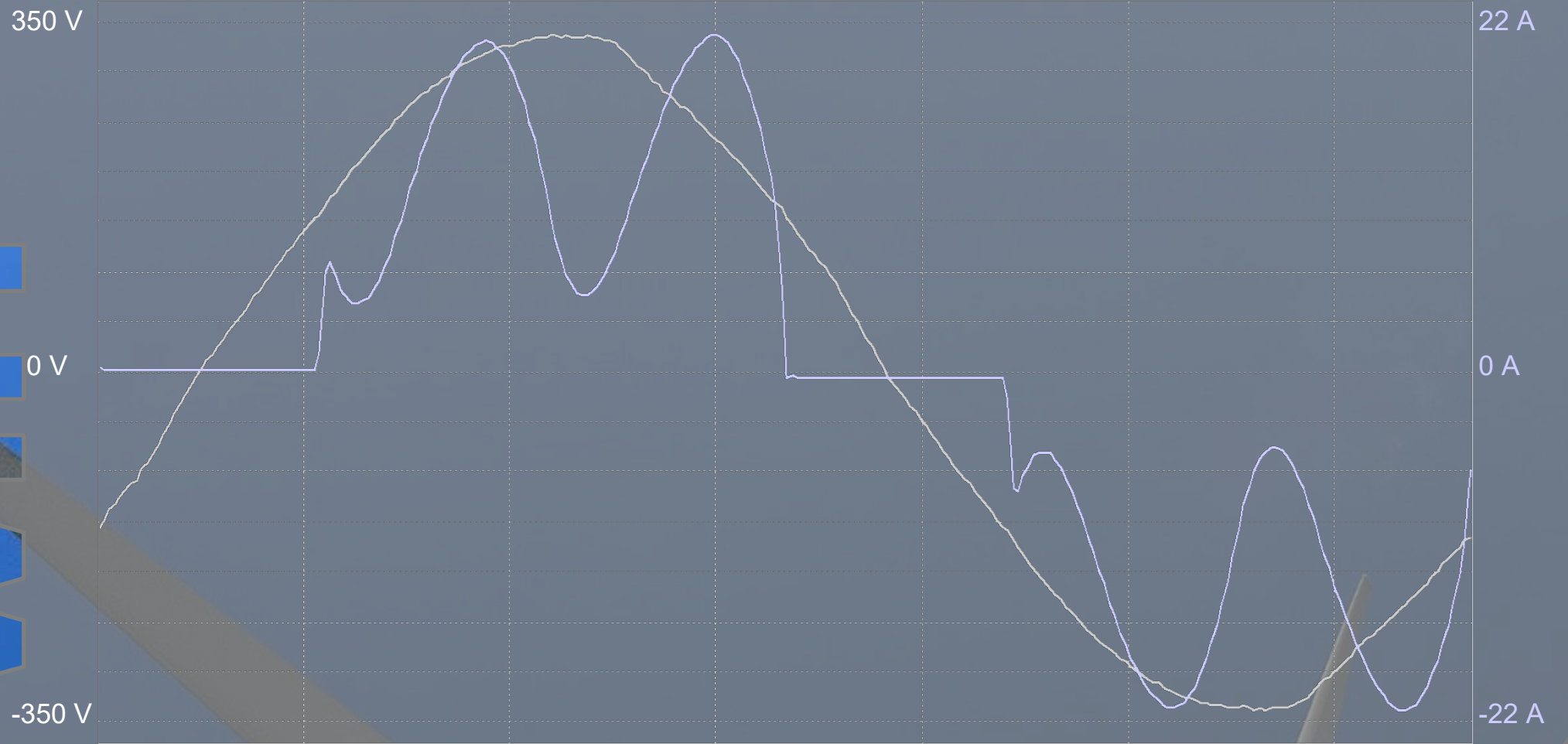
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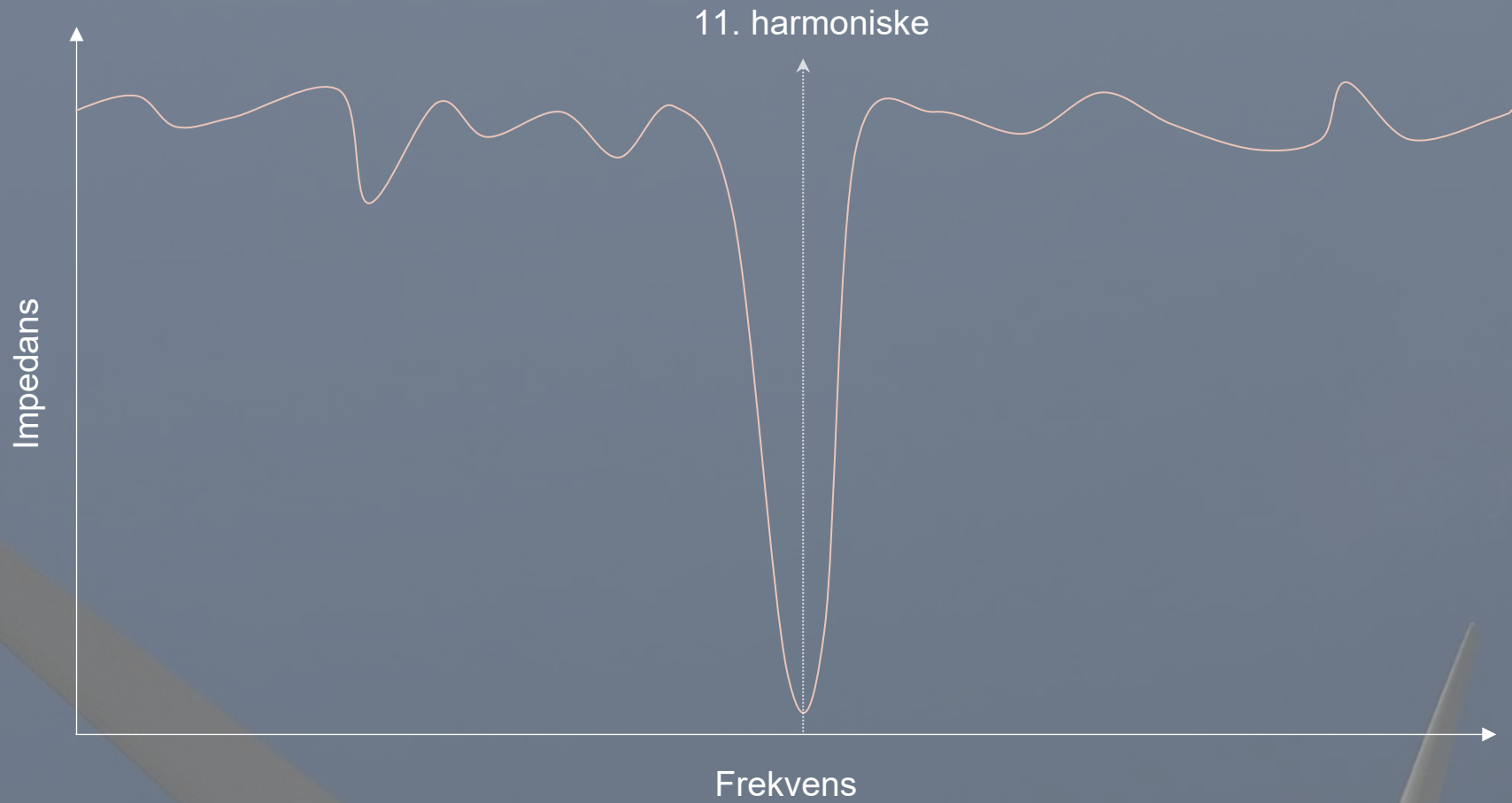
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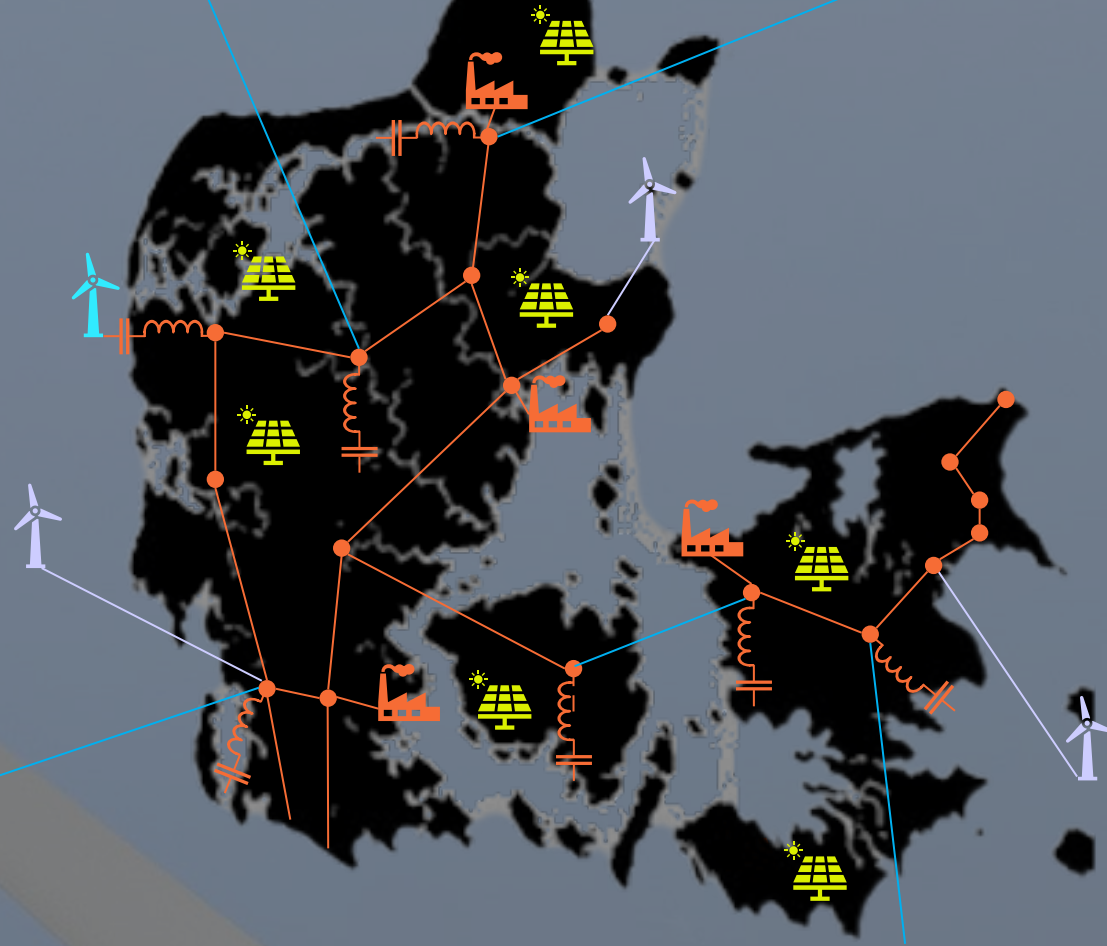
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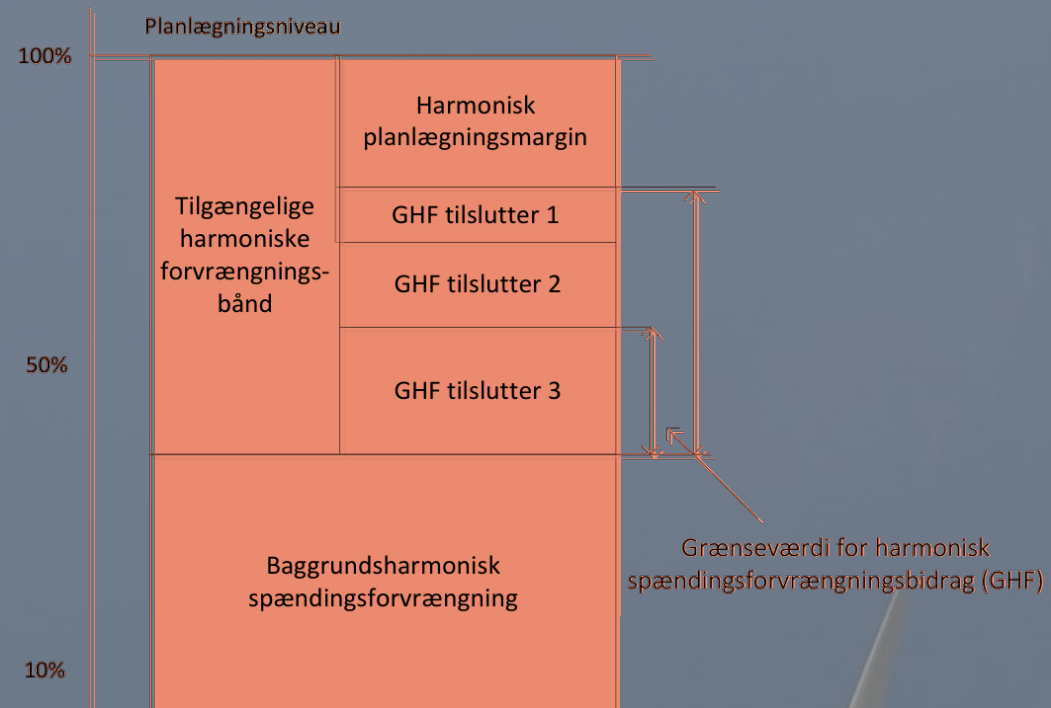
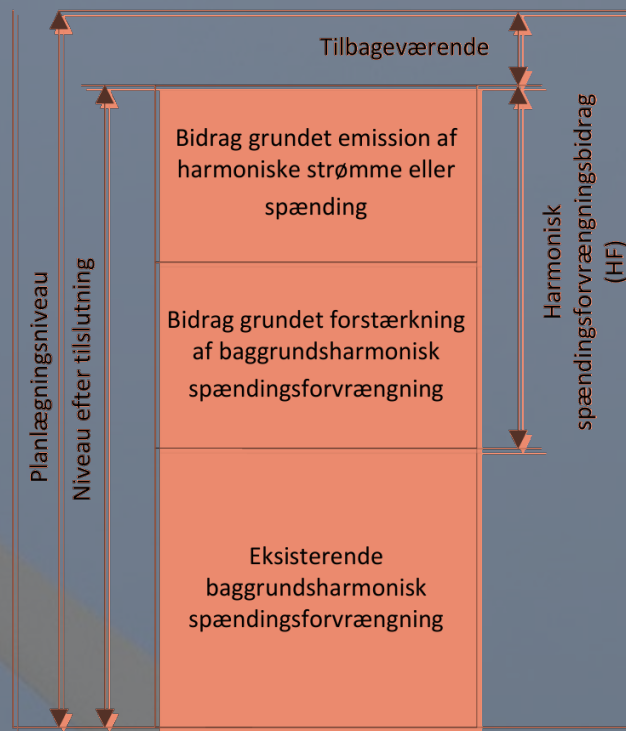
WHY



YFM



WHY



WHAT



WHAT

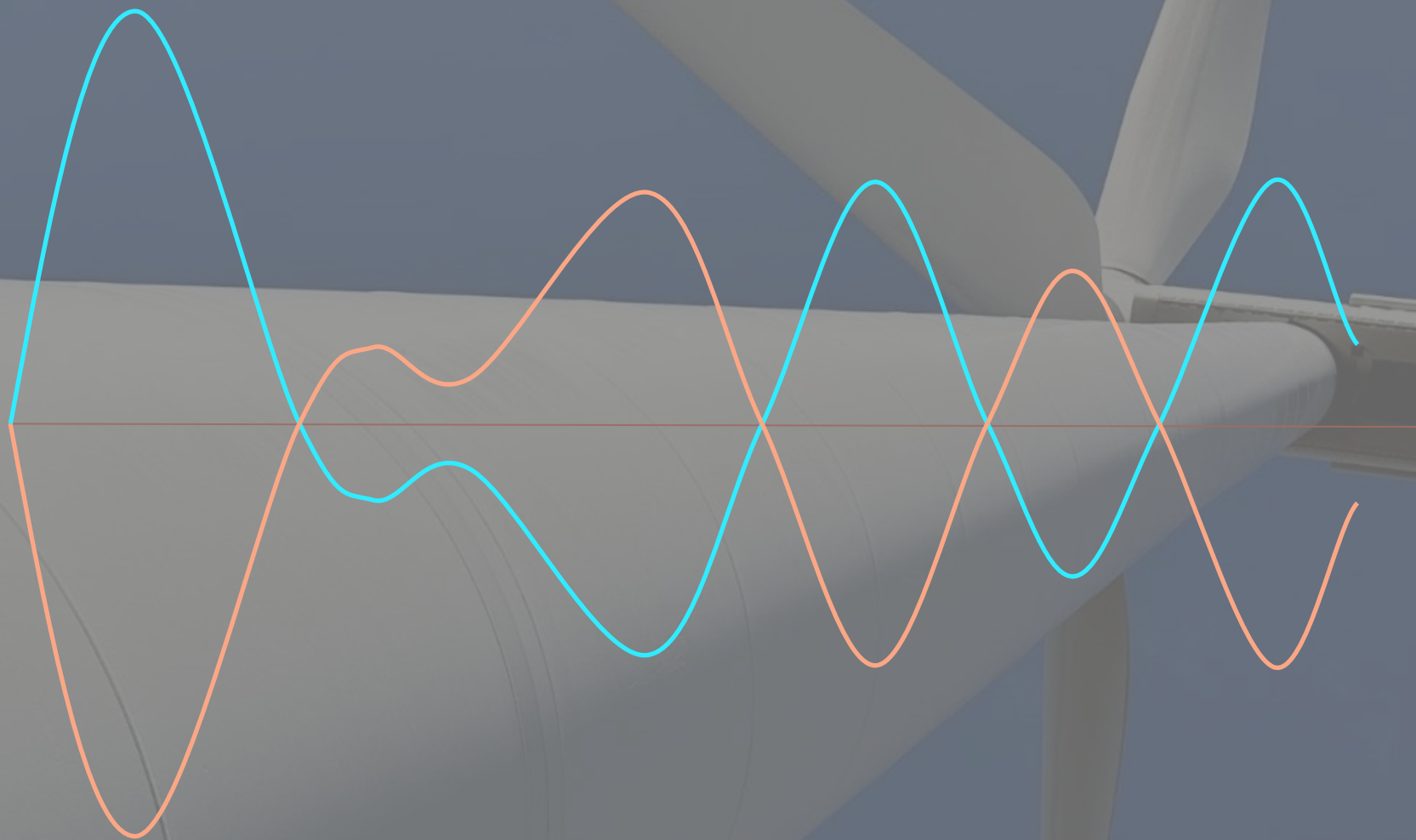
Fordele ved aktive vs. passive filtre

Dimensioner

Udvikling

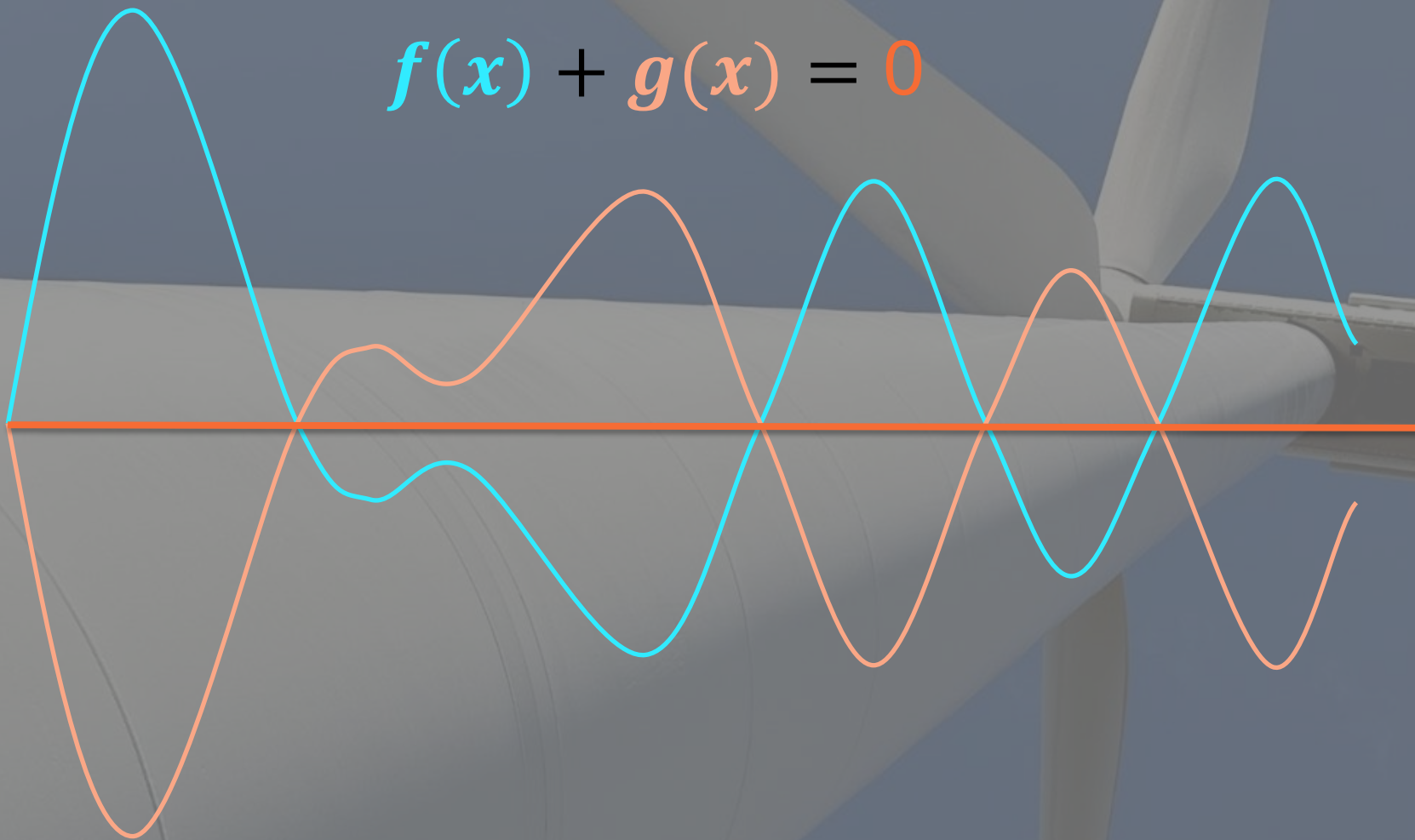
Funktioner

WHAT



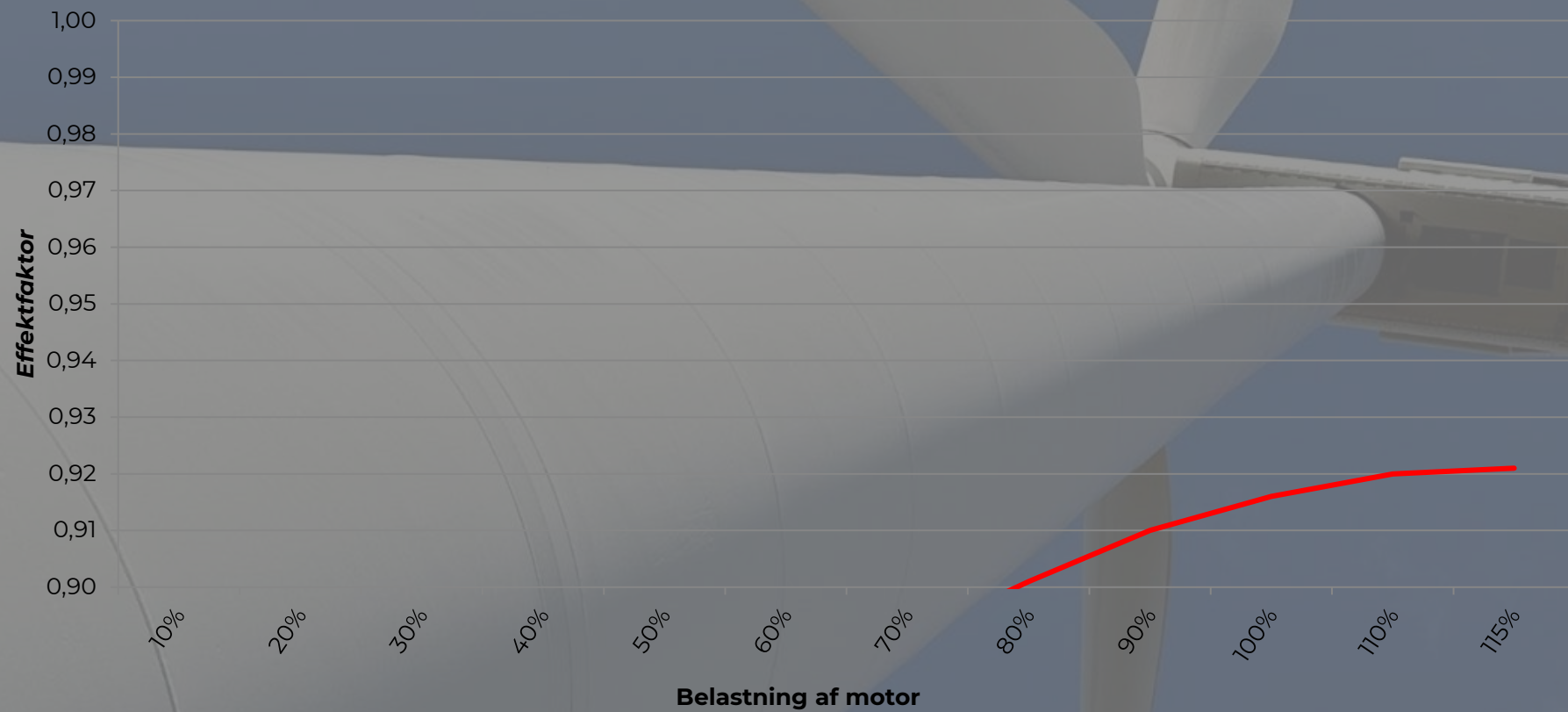
WHAT

$$f(x) + g(x) = 0$$

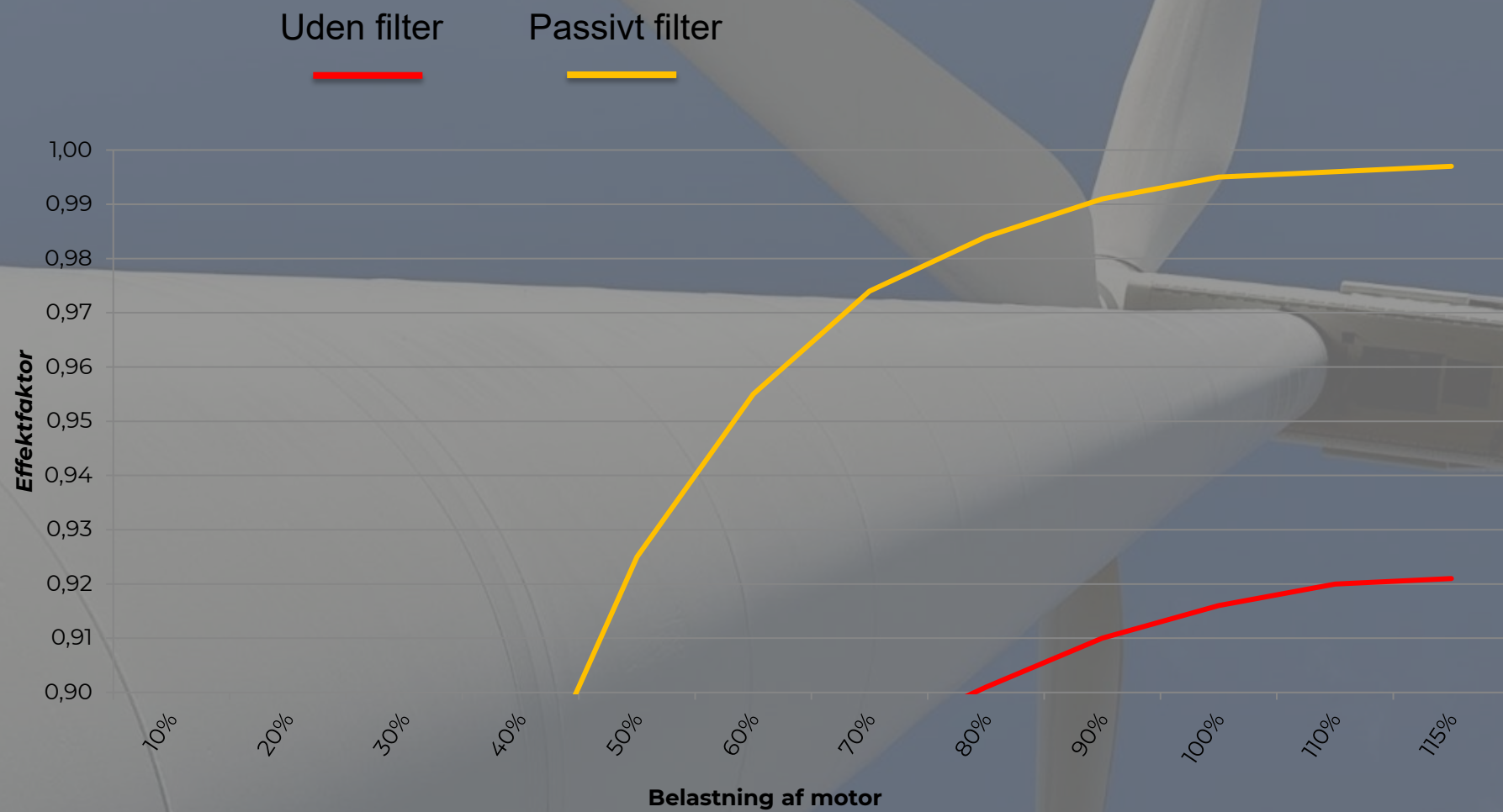


WHA T

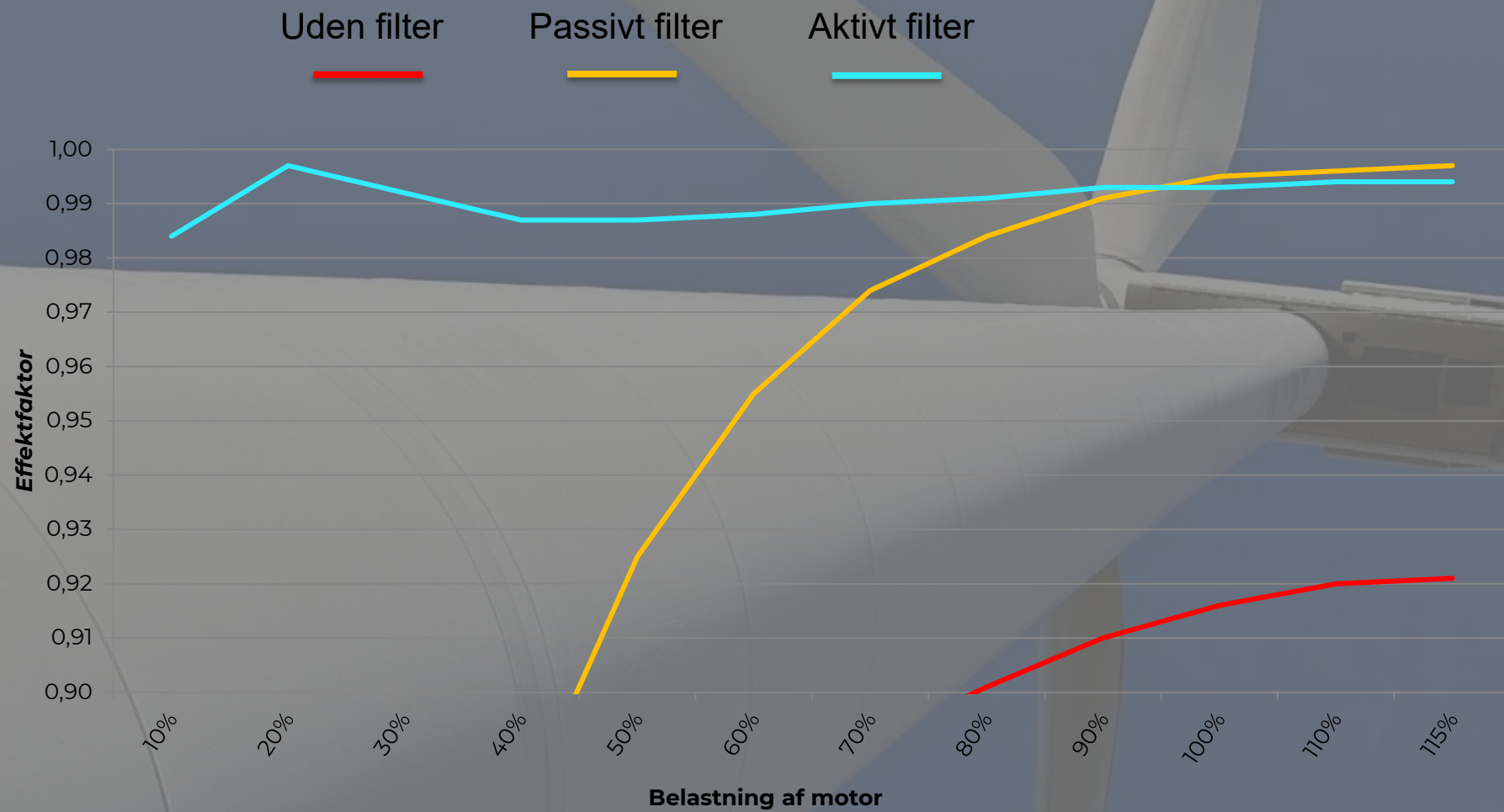
Uden filter



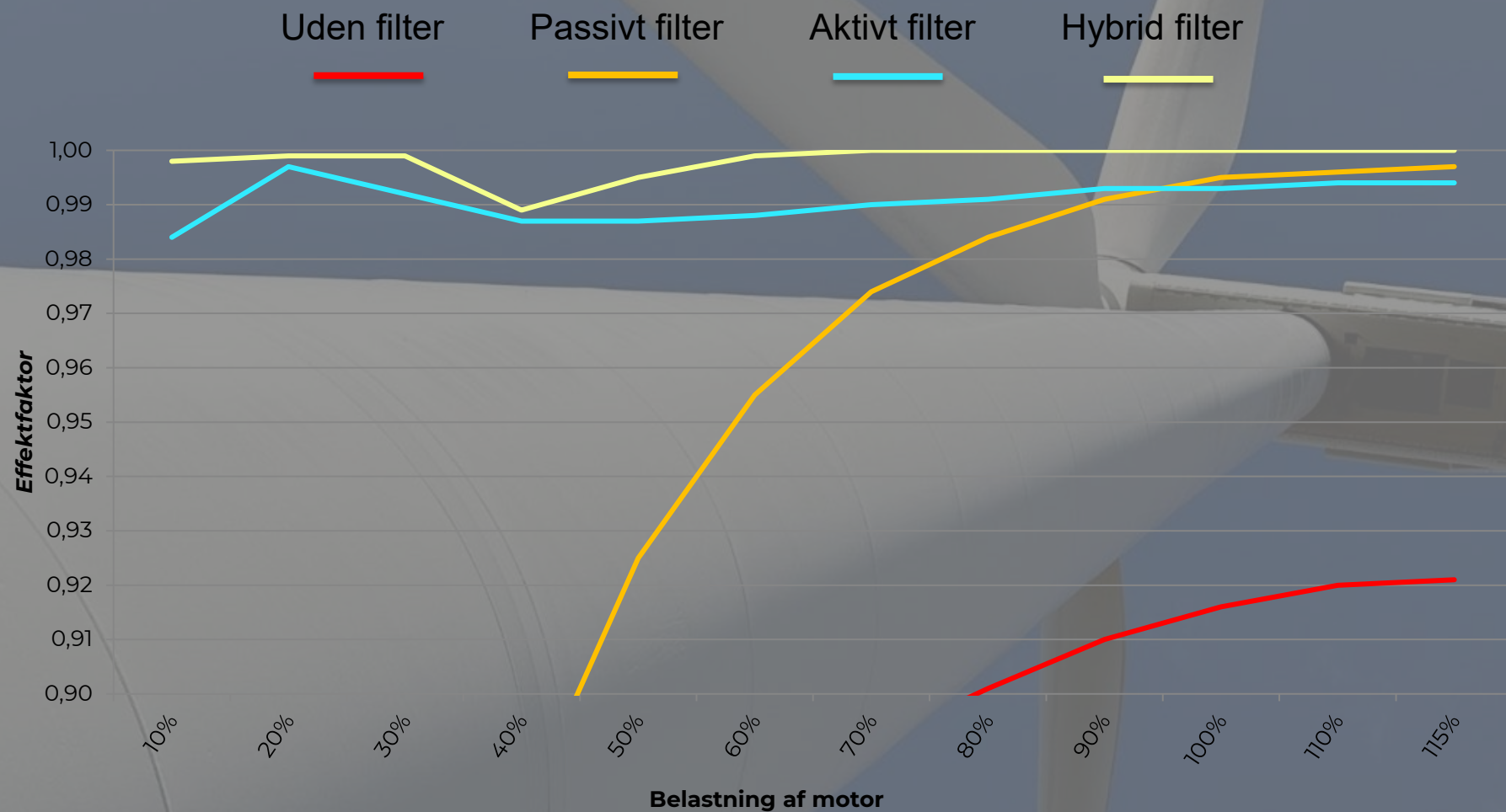
WHAT



WHAT

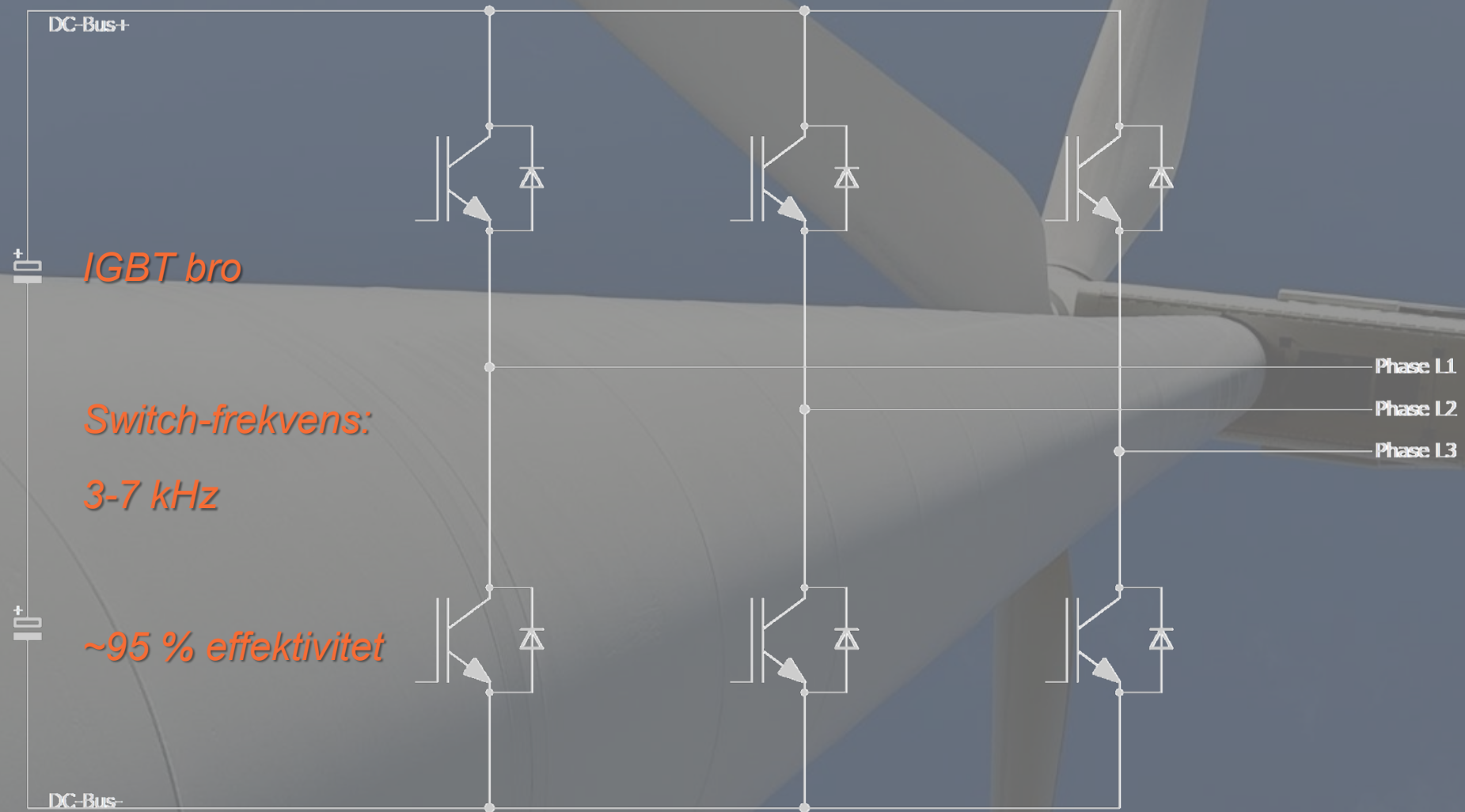


WHAT



1. generations aktive harmoniske filtre

WHAT



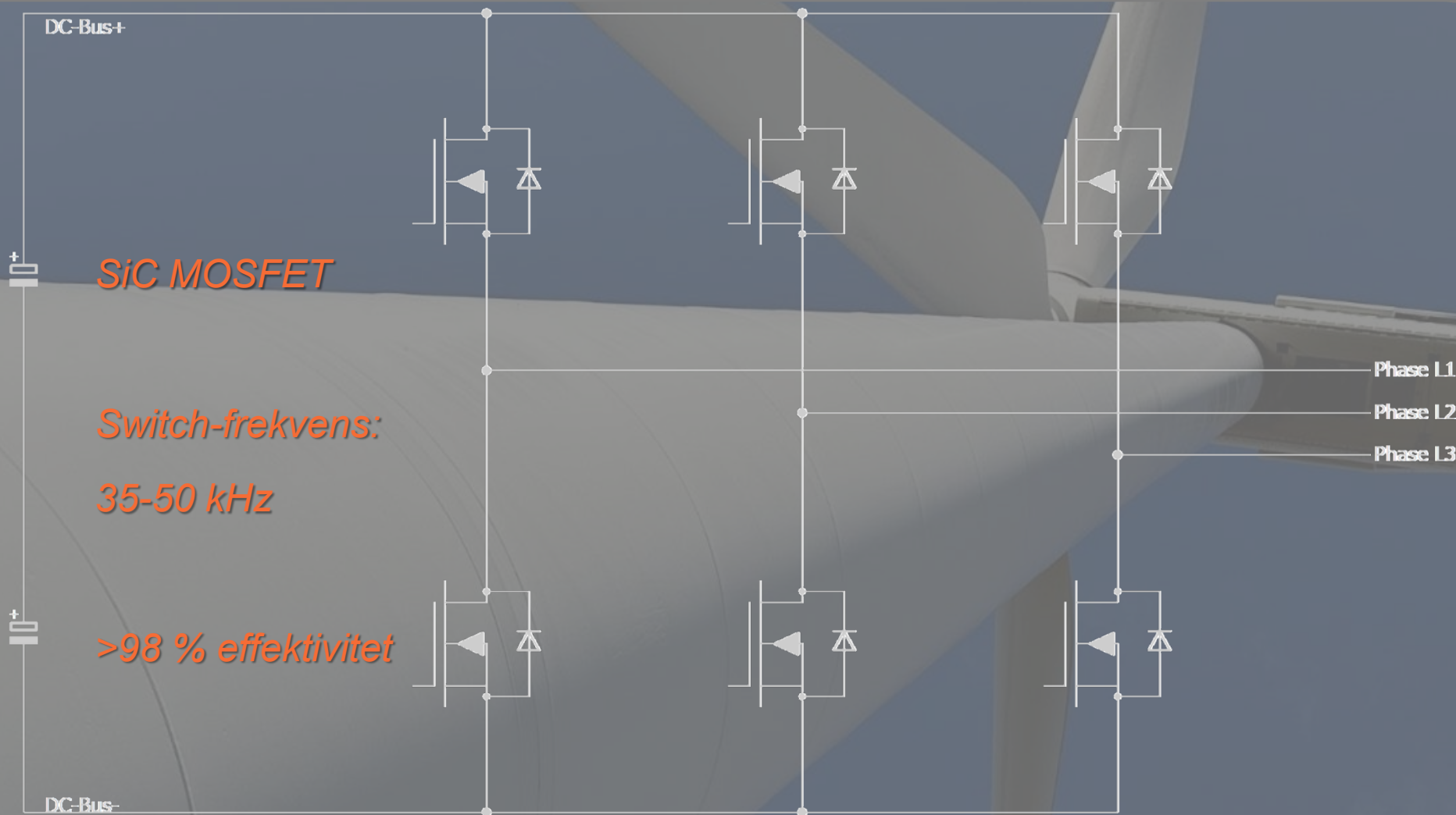
2. generations aktive harmoniske filtre

WHAT



3. generations aktive harmoniske filtre

WHAT

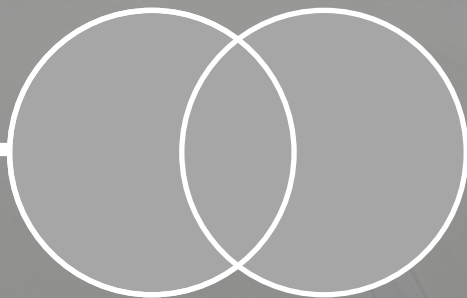


[Link til artikel om fordelene ved silicium-karbid teknologien](#)

WHAT HV

FACTS
STATCOM / SVG / SVC...

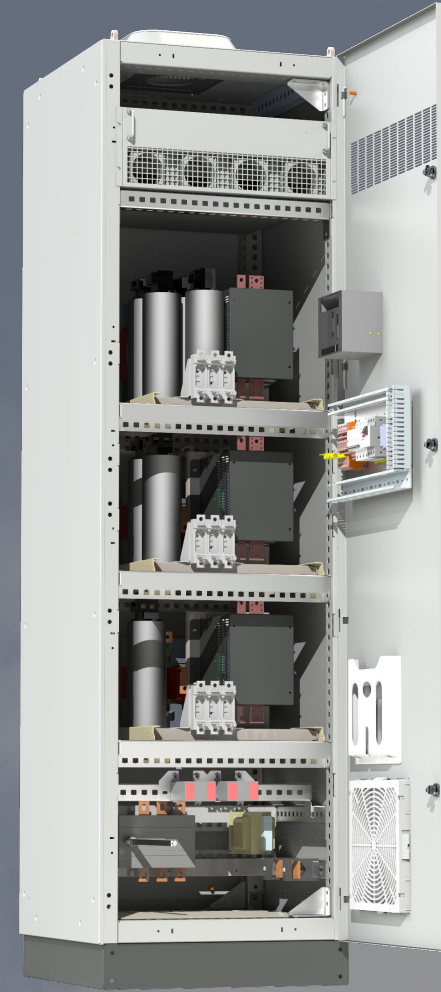
WHAT HV



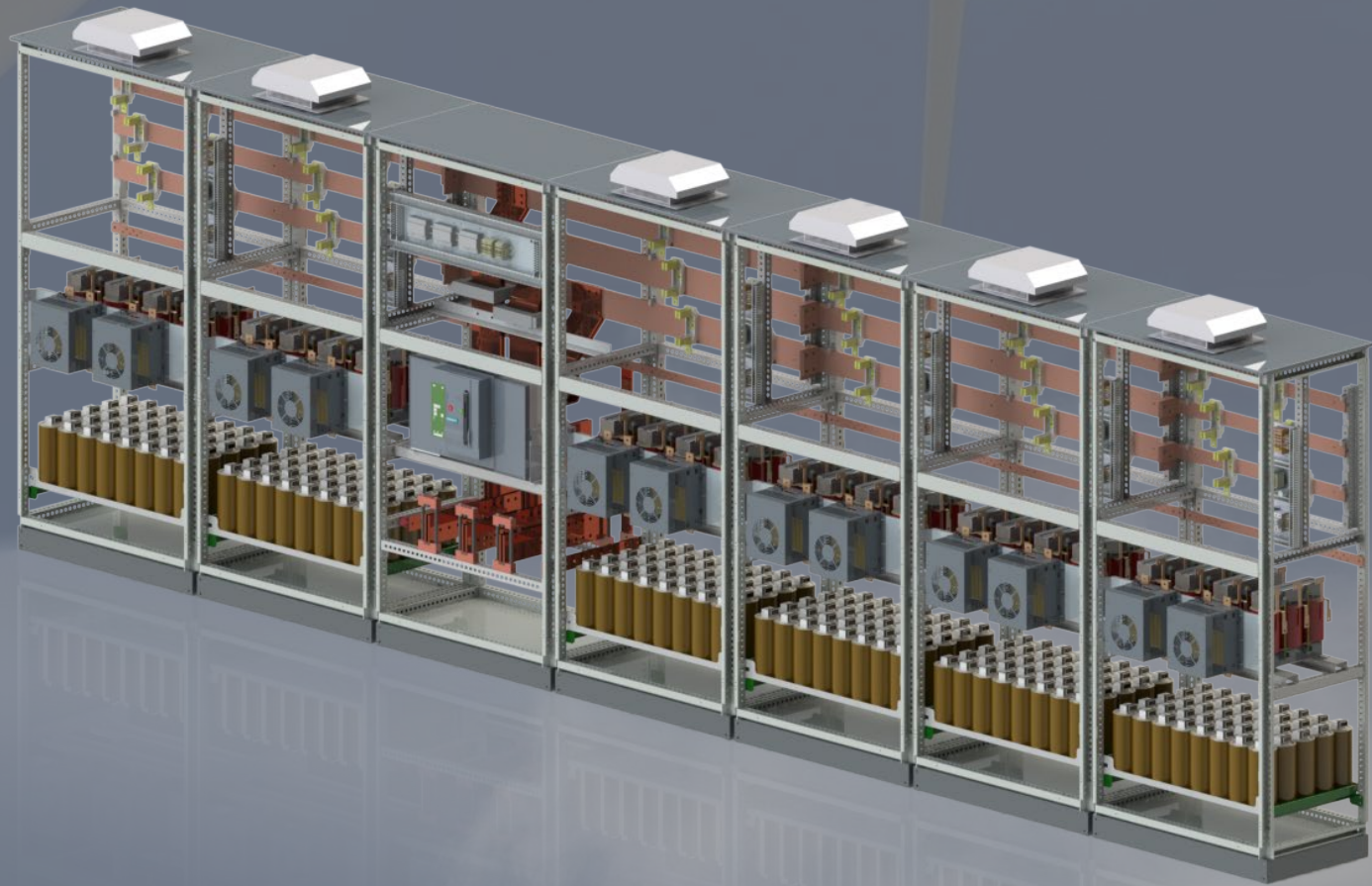
MV

FACTS
STATCOM / SVG / SVC...

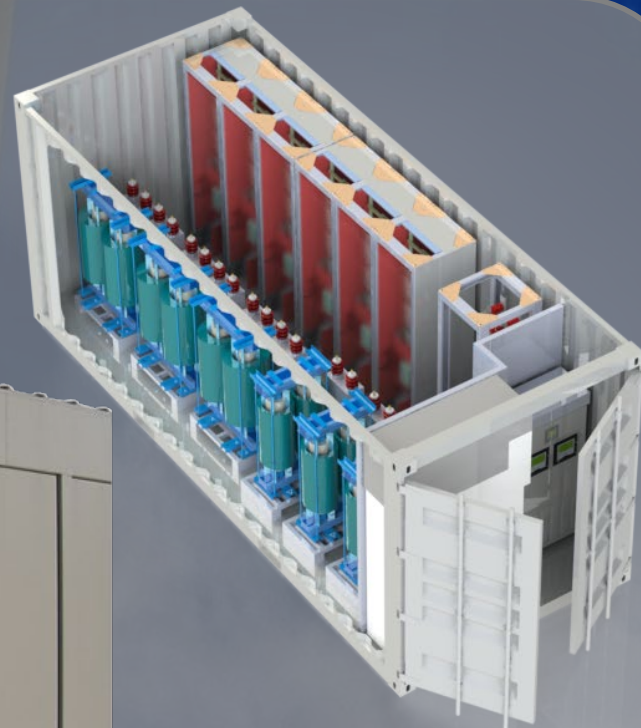
MOH



HOW



How

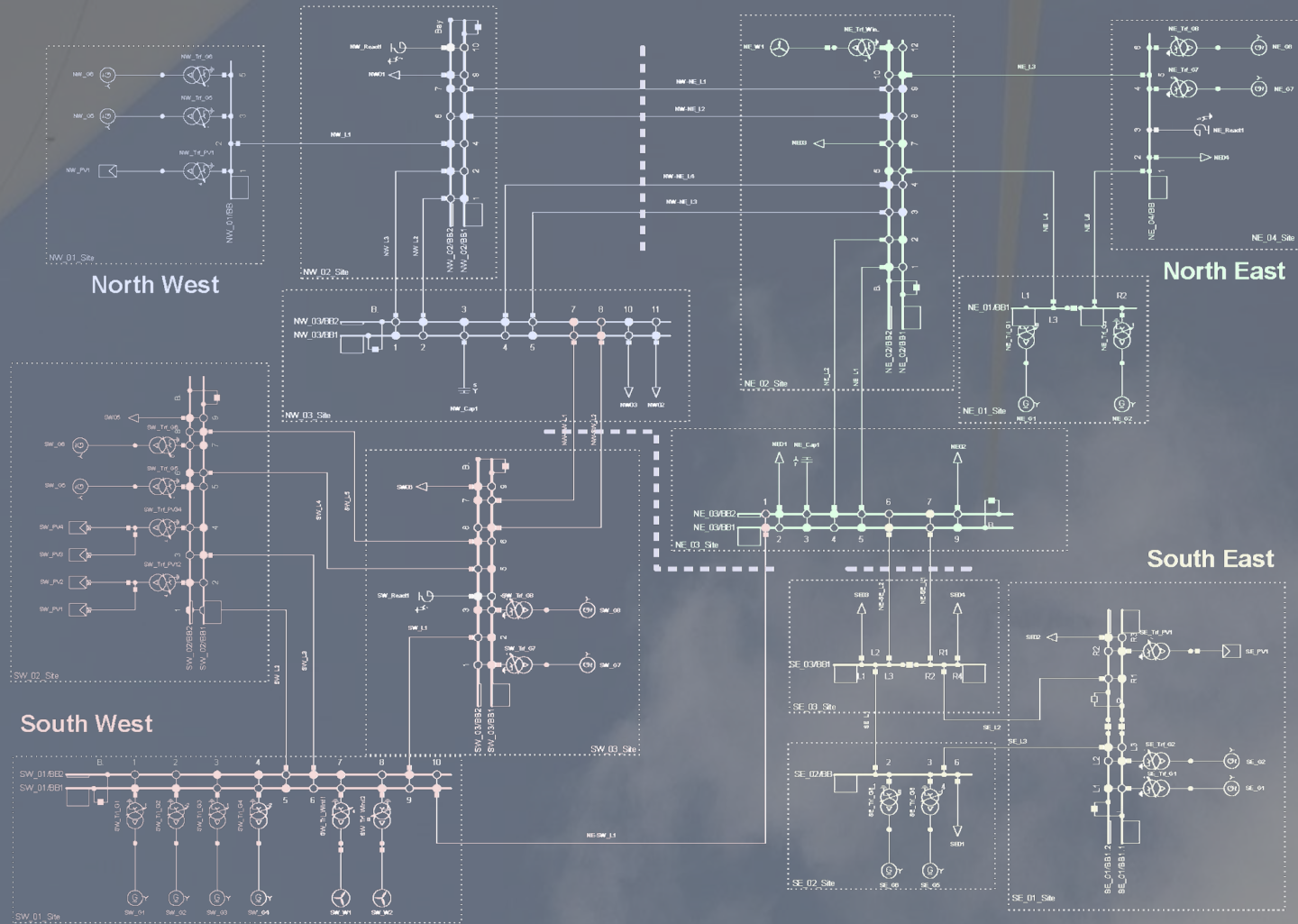


How



How





HOW



HOW





Håndtering af reaktiv effekt og elkvalitet
hører sammen

Det vil påvirke de harmoniske strømme og
spændinger, når man indbygger udstyr til
reaktiv effekt kompensering

2

Reaktiv effekt og elkvalitet bør håndteres på hvert spændingsniveau og "aben" bør ikke sendes videre

Selv ved højere spændinger er aktive filtre / kompensatorer interessante

3

Vælg den rigtige teknologi

Der er fx store forskelle på tomgangstab, driftstab, og frekvensområde for de forskellige typer af halvledere

4

Dialogen mellem Energinet og branchen skal fortsætte. Vigtige emner er fx:

- Hvem skal købe og drive harmoniske filtre og reaktiv kompensering?
- Skal der kun være krav til effektfaktor eller også absolut reaktiv effekt for nettilslutninger?



SPØRGSMÅL



KOMMENTARER





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