



Greetings

Enhancing Education in the Danish Defence:
Innovations in E-Learning and Course Material Development.

Agenda



History



E-learning



Artificial Intelligence



Basic Soldier Skills



Frederik Kehlet

Civilian

Started as an graphics apprentice / student in 2020

- Media Graphics Designer
- Photo & videographer
- Developer
- Project manager

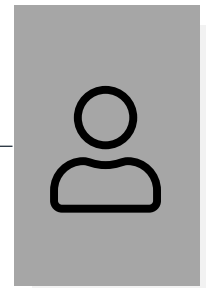
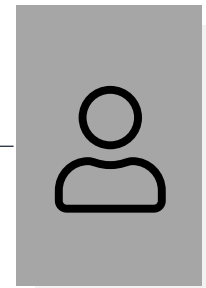
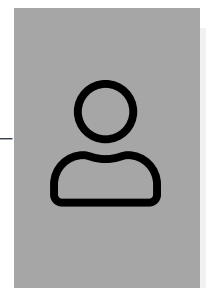
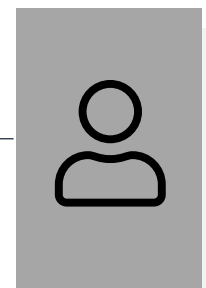
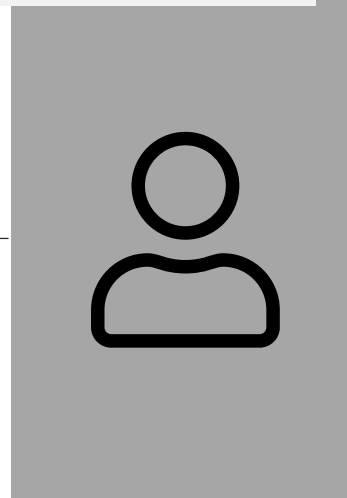
The Team



Development



Day-to-day running



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Danish Navy

**Danish Emergency
Management Agency**

Danish Police

Danish Army



Danish Air Force

Ukraine

**Multi National
Division North**

Royal Danish Defence College

Danish Home Guard

History

Goal : 50% of all education to be e-learning

Commercial cost for 3 videos (2019): 35.000 EUR

- Set ammount of edits / changes
- New updates / changes in equipment?
- Time to produce & help with the material
- Reviewing of the material



2019 - Beginning

1 military leader
1 project manager
1 graphic designer

2020

1 military leader
2 graphic designers
2 graphic designer students

2023

1 military leader
4 graphic designers
1 military developer
2 graphic designer students

e-learning

(2019): 35.000 EUR

ges

equipment?

the material



Planning

2020

1 military leader
2 graphic designers
2 graphic designer students

2023

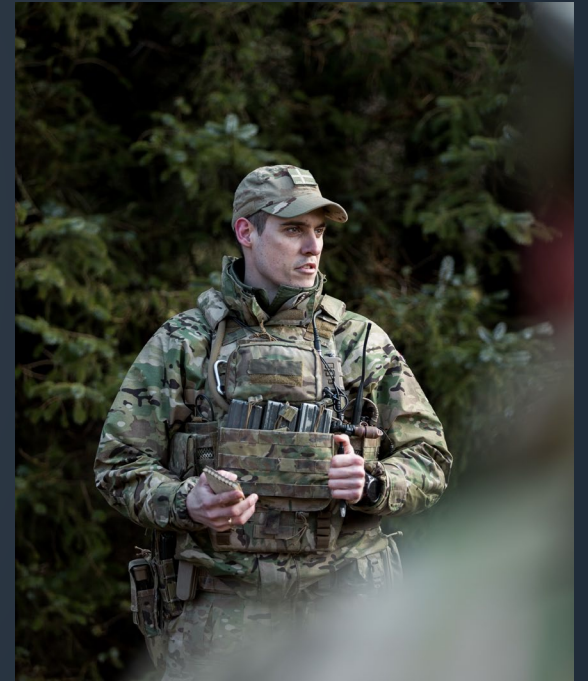
1 military leader
4 graphic designers
1 military developer
2 graphic designer students

20??

1 E-learning Center / HQ
X small teams

Mission

Mission



Vision

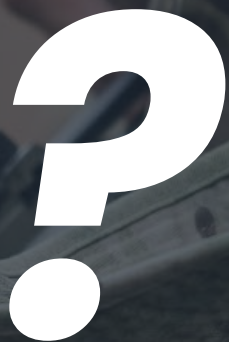


Learning is a journey without limits,
where each step forward uncovers new
opportunities to grow and learn.




Question for the everyone

How many in here makes
e-learning on a regular basis?



Question for the everyone
How would you conduct your
lesson about a weapon?



?

Question for the everyone
Who would do it like this



**Question for the everyone
Who would do it like this**

Sigtemiddel

Håndtag

Magasin





Question for the everyone
Who would do it like this





Question for the everyone

How would you conduct a lesson in
group formation for a platoon?

Group Formation

- Multiple angles (2-3 filming's to be sure)
- 20-40 people on set

- Weather for filming
- Everyone to do the correct movement

- How does it even look? If you do it in physical form, you wont get a birds eye view of the movement.



Group Formation

- Birdseye view
- Everyone's walking perfect
- Any angle you want, we can create it
- Fidelity





Date-time group (DTG)

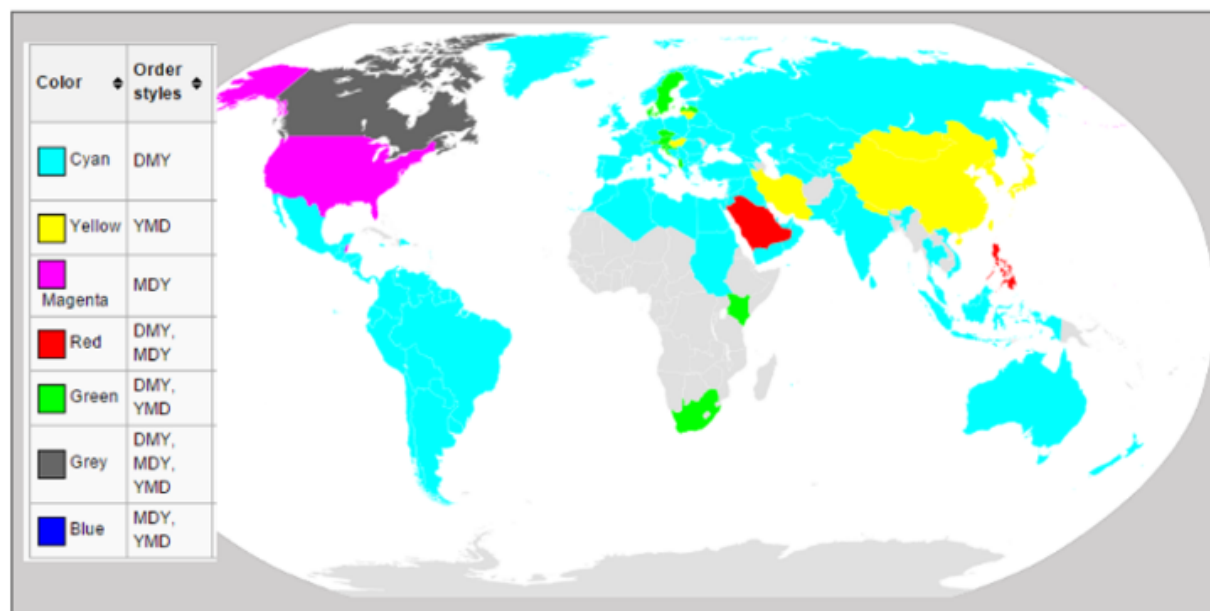
- Extremely important to know and use
- Ensures synchronization across units and time zones
- Supports interoperability between allies

- Old PowerPoint material

Problem/Løsning

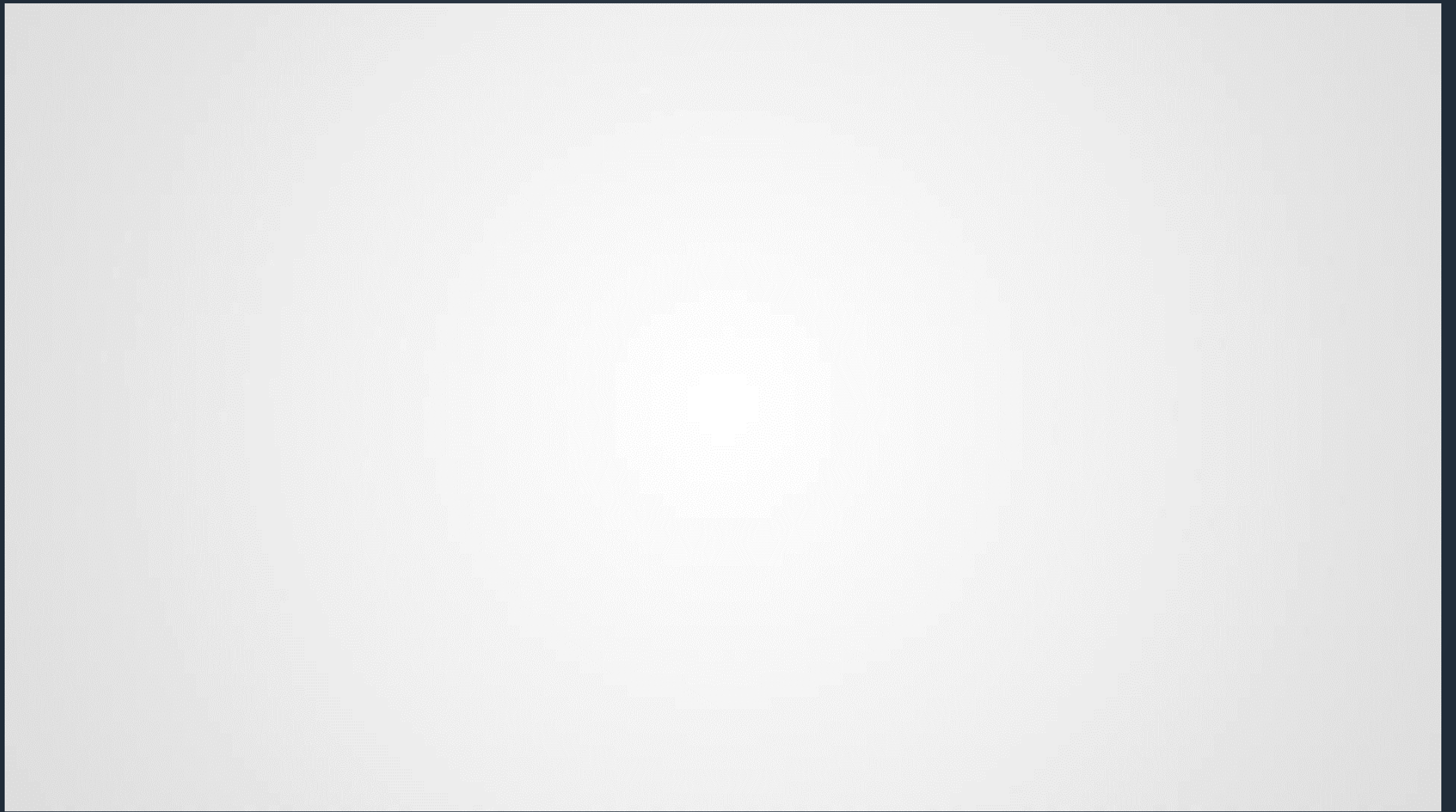
Problem

Det danske forsvar samarbejder med mange forskellige nationer. Som du kan se af nedenstående verdenskort, anvender de forskellige lande forskellige måder at angive tid og dato (D = dag, M= Måned, Y= år).



Løsning

Derfor anvender vi datotidsgrupper. Datotidsgrupper er et internationalt anerkendt format, der anvendes af vores samarbejdspartnere.



Containers



Task

- 280 different types of containers
- Safety around containers
- Different procedures for each type

- Lower cost in logistics
- Available to everyone



E-learning course on-demand LMS

- Photos of containers
- Video lectures on safety and procedure
- BIC numbers / identifiers
- Usage of containers and their content
- Etcetera

Container Grunduddannelse Materiel- og Indkøbsstyrelsen (FMI)

Kursus Indstillinger Deltagere Karakterer Rapporter Mere ▾



Indledning

0.00% gennemført



Lek 1: Typer / Kategorier

0.00% gennemført



Lek 2: Sikkerhed

0.00% gennemført



Lek 3: Afmærkning

0.00% gennemført



Lek 4: Håndtering

0.00% gennemført



Lek 5: Opstilling af Containere

0.00% gennemført



Lek 6: Anvendelse af container

0.00% gennemført



Lek 7: Klargøring til transport

0.00% gennemført



Lek 8: Eftersyn og vedligeholdelse

0.00% gennemført



Lek 9: Tilbehør

0.00% gennemført



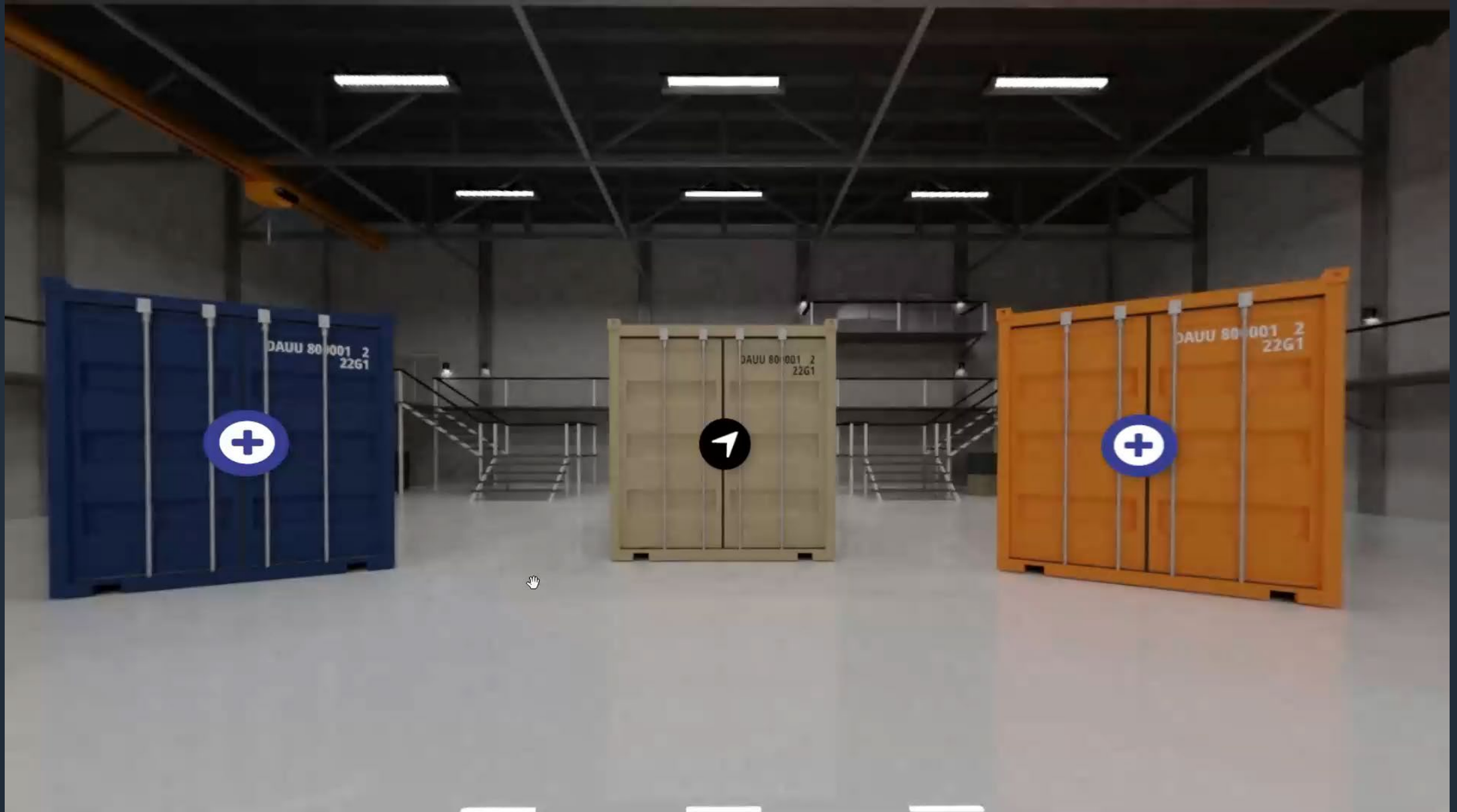
Test

0.00% gennemført

E-learning course on-demand LMS

- Photos of containers
- Video lectures on safety and procedure
- BIC numbers / identifiers
- Usage of containers and their content
- Etcetera





Estimated additional life expectancy of our containers by

1-2 years

Estimated additional life expectancy of our containers by

2-5 years

Estimated additional life expectancy of our containers by

5-10 years



E-learning for us

Be creative in how we present content

Look and listen to new technologies

Making content and courses that our soldiers find interesting and find themselves well dressed to their everyday tasks.



Can save time from instructing in theoretic. Which is time they can use to educate themselves more to be prepared or advance their lecture even further.

Good educational material helps with repetition for our soldiers with the possibility to go back and rewatch a video / course.



//

Artificial intelligence is not just about machines thinking—it's about humans rethinking what's possible.

Copilot

Artificial Intelligence

Easily available help and assistance

- Our assistant
- Assignment pipelines
- Data analysis
 - Remove duplicate assignments
 - Evaluations / feedback





Morten

Pretty good at his job

He has a very good voice as a speaker

He's busy with projects



ElevenLabs



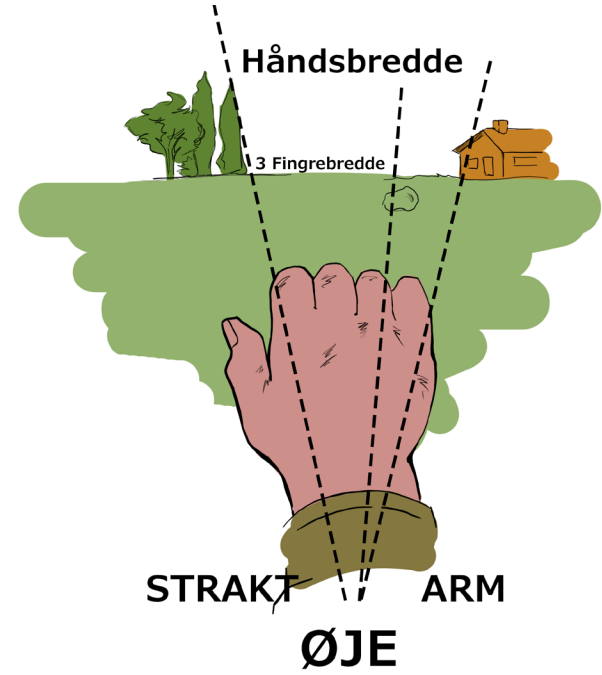
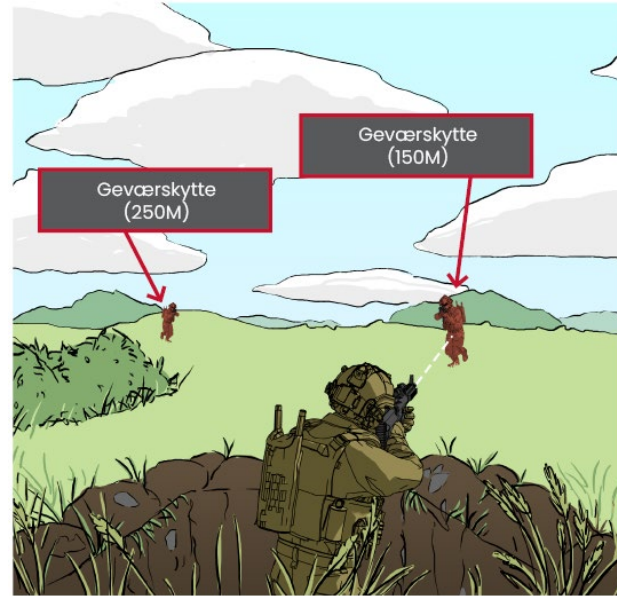
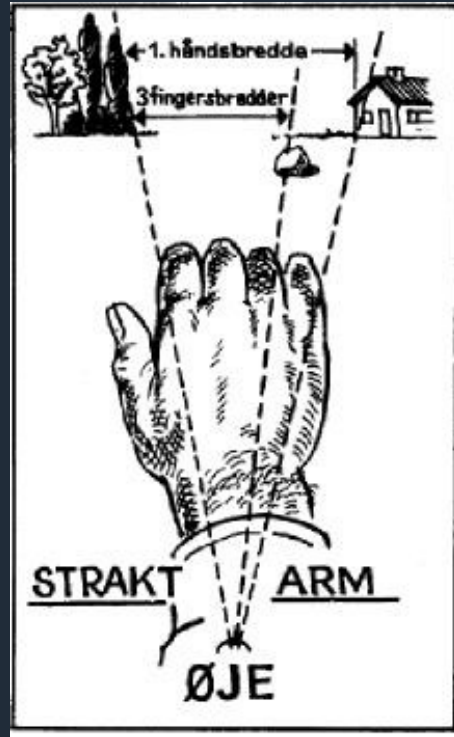


Basic Soldier Skills

7 books + a lot of supplementary books

- The whole team included
- All of our skills on deck
- Big project with a big target group
- Project management
- Innovate & make something, better
- New text, new images, everything.









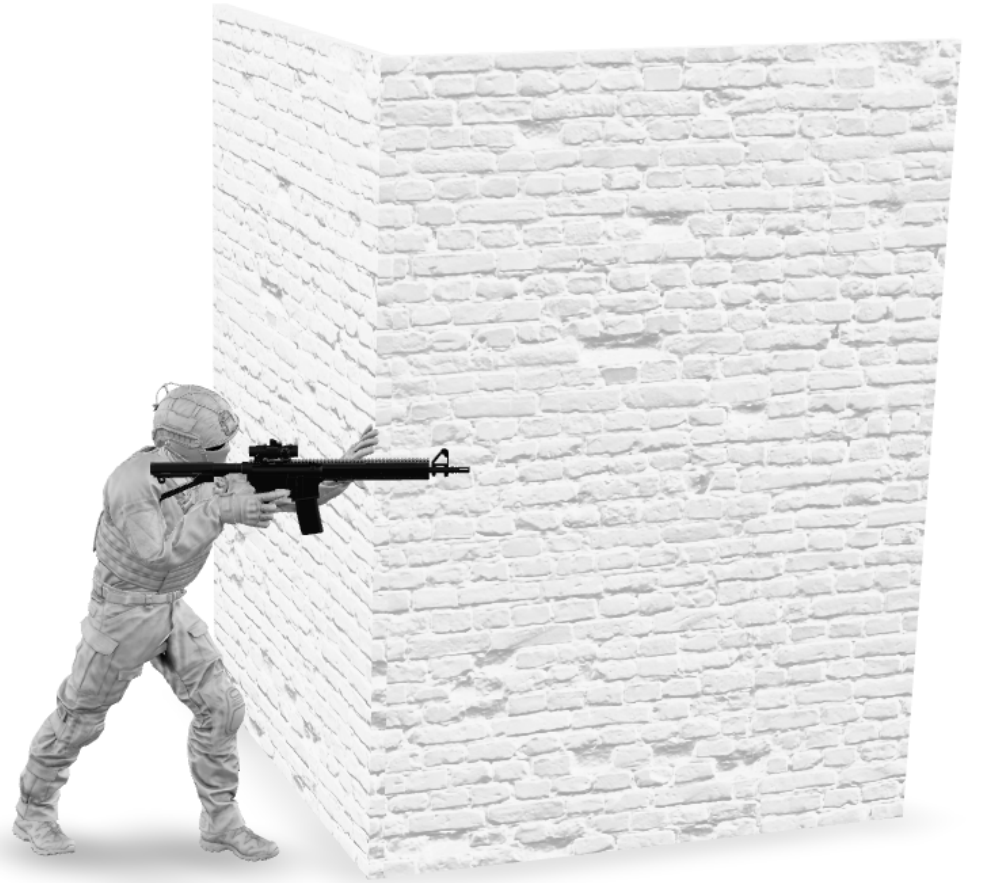


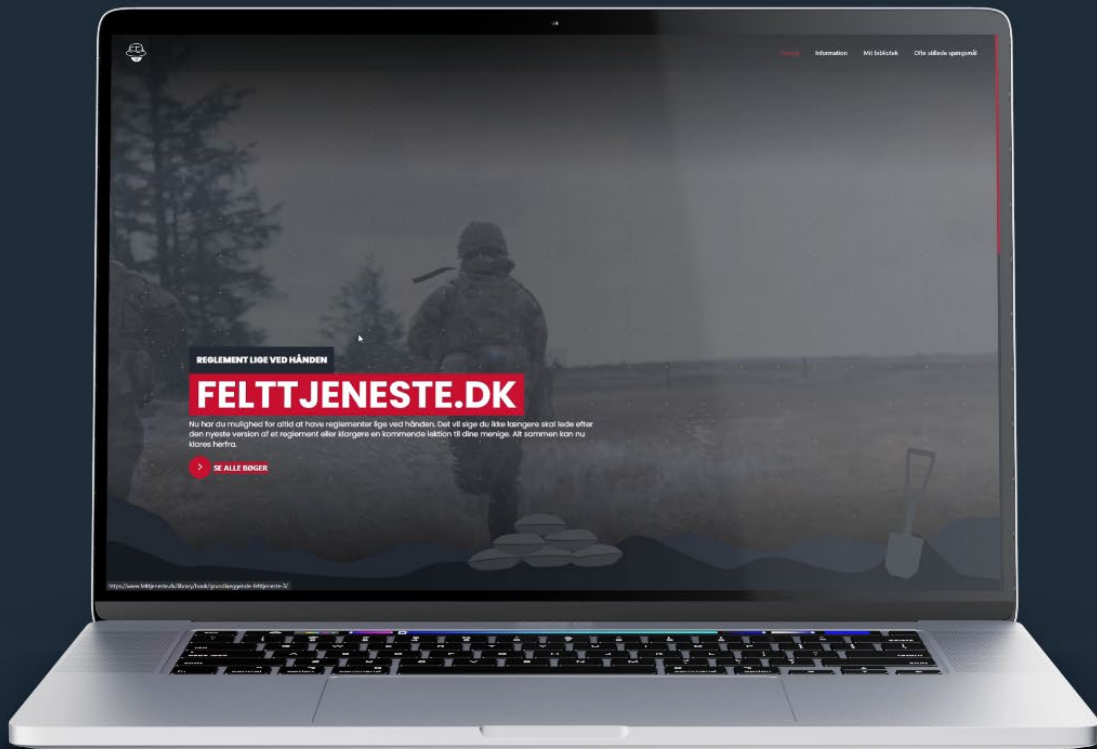


Online

Always updated and at your service

- Updates in a second
- Videos
- Interactive elements
- AR / 3D model viewers
- Before and after images
- All possibilities, no limits









Thanks for your time

Mr. Frederik Kehlet

- Contact / collaborate with us:
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- ATT : E-learning Element / Frederik Kehlet