

# Kommunernes Data- og Infrastrukturdag

## KOMBIT



**Kristian Vengsgaard**  
CIO Danish Defence

# Hvorfor er it så irriterende?

## Agenda

**Noget om mig og noget om Forsvaret**

**Noget om digitalisering**

**Noget om strategi og ledelse**

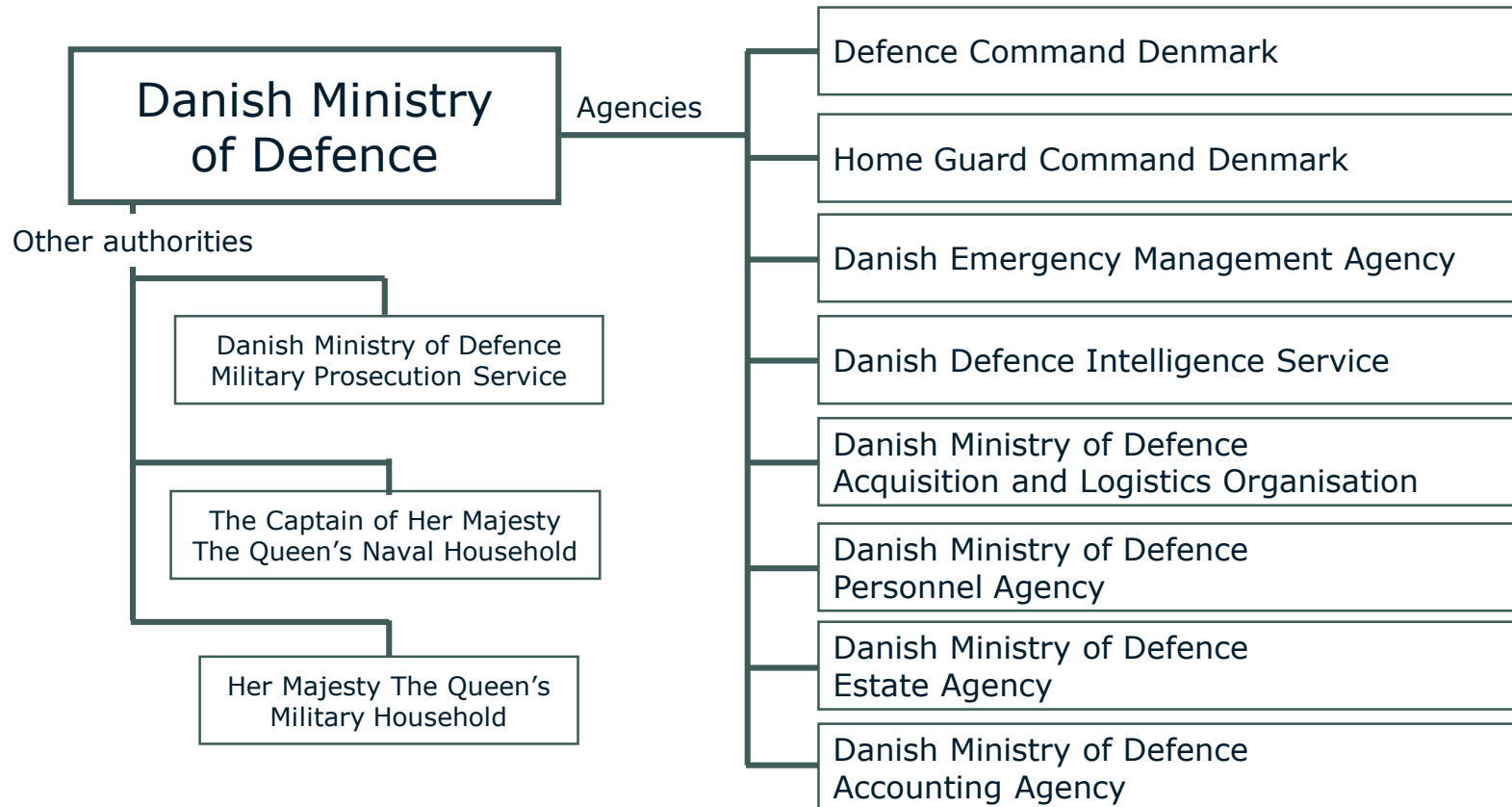
**Noget om de gode og de dårlige**

**...et svar ... eller noget**





# DANISH DEFENCE



- **25.000 FTE's**
- **60.000 volunteers in the Home Guard**
- **Army, Navy, Airforce and adding Cyber and Space**

# GROUP IT

The centralized IT organization of the Danish Ministry of Defence and runs a broad range of IT-systems.

## **Group IT supports all IT-tasks**

- Operation, maintenance and development of IT-infrastructure in the Danish Defence, including network, applications and workstations
- Numerus digitization efforts and projects
  - Classic projects
  - Mobile development
  - RPA
- Support of 24.000 computers and 17.000 users
- Soon 25.000 phones
- +3000 applications
- Coordination, planning, resource management and sourcing of informatics
- 660 FTE → ~ 800 FTE



# Noget om digitalisering

“**Digitalization** is the use of digital technologies to change a business model and provide new revenue and value-producing opportunities; it is the process of moving to a digital business.” Gartner



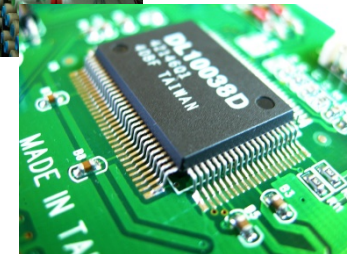
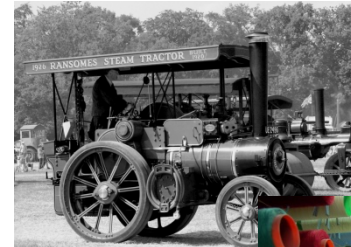
Blockbuster's former CEO, Jim Keyes, told the Motley Fool in 2008 that Netflix isn't 'even on the radar screen in terms of competition.' By 2010, Blockbuster had gone bankrupt.”

# Den fjerde industrielle revolution

## Navigating the next industrial revolution

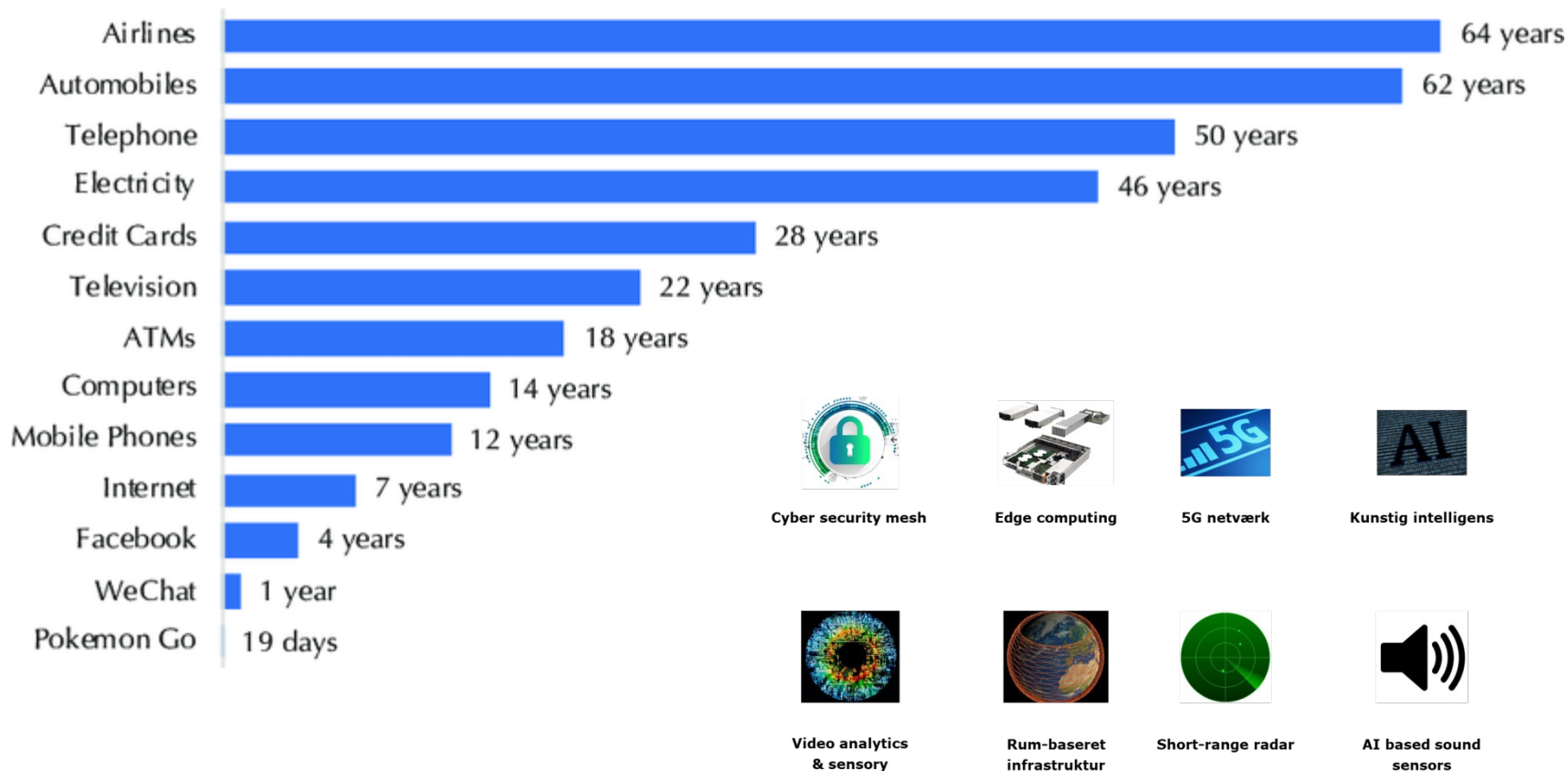


| Revolution                                                                        | Year | Information                                           |
|-----------------------------------------------------------------------------------|------|-------------------------------------------------------|
|  | 1    | 1784 Steam, water, mechanical production equipment    |
|  | 2    | 1870 Division of labour, electricity, mass production |
|  | 3    | 1969 Electronics, IT, automated production            |
|  | 4    | ? Cyber-physical systems                              |



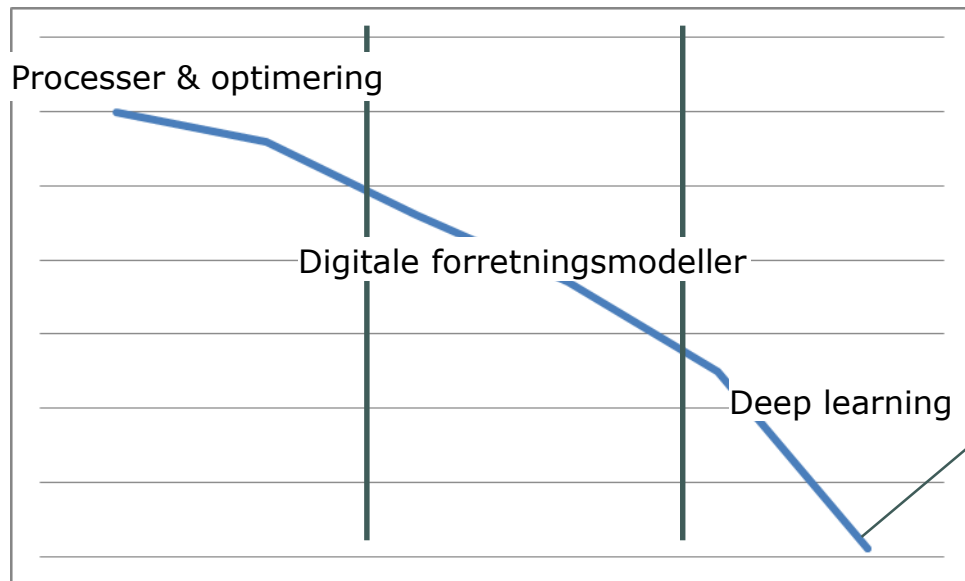
THE ELECTRIC LIGHT DID NOT COME FROM THE CONTINUOUS IMPROVEMENT OF CANDLES...  
Oren Harari

# Vi er alle digitale hurtigere end nogensinde før



29. september 2021 9

# Vejen frem



## DATA DATA DATA

IDC predicts the world's data will grow to 175 zettabytes in 2025.

175 zettabytes on DVDs = stack of DVDs would be long enough to circle Earth 222 times.

Download 175 zettabytes at the average current internet connection speed = 1.8 billion years to download.  
Even if you enlisted every person in the world to help with the download, it would still take 81 days.

2018 – the future of Digital is Analog

2018 – In just one minute



Twitter users sent 473,400 tweets



Snapchat users shared 2 million photos



Instagram users posted 49,380 pictures



LinkedIn gained 120 new users

# Sikkerhed



- Vi er under angreb...
- Det gør ondt...
- Penge løser ikke alt...
- Det er et våbenkapløb...



# It og digitalisering på agendaen



Forsvarschef  
General Flemming Lentfer

**Minister, Topchefer og topledelsen**  
**Mellemledere**  
**Digital ledelse og digitale ledere**



Rammer



"Risiko"



Beslutningskraft

Teknologiske  
muligheder

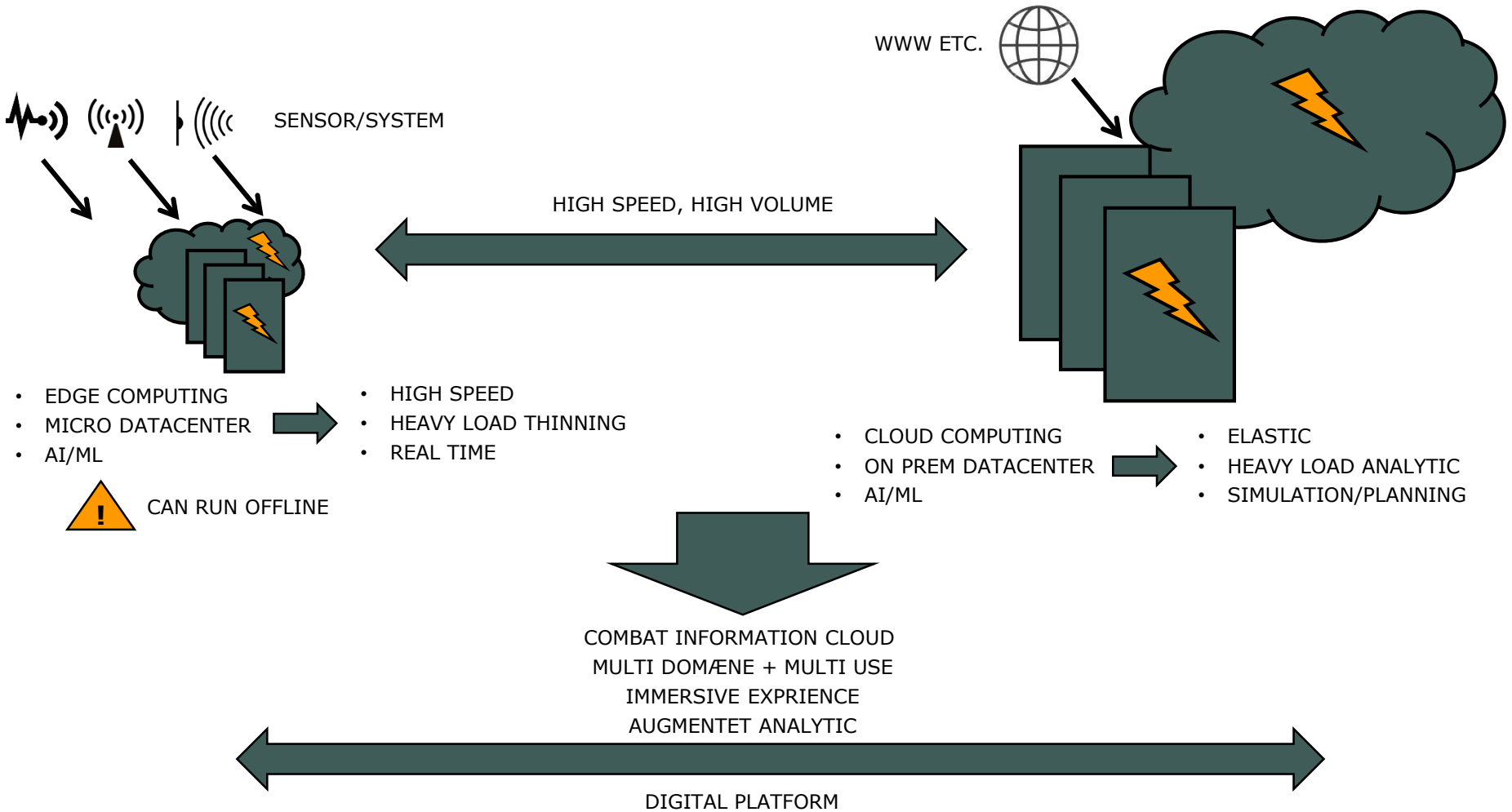


# F35



# Teknologikoncept

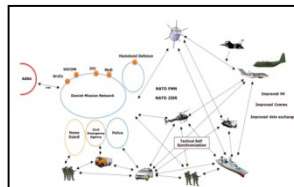
ILLUSTRATIVE



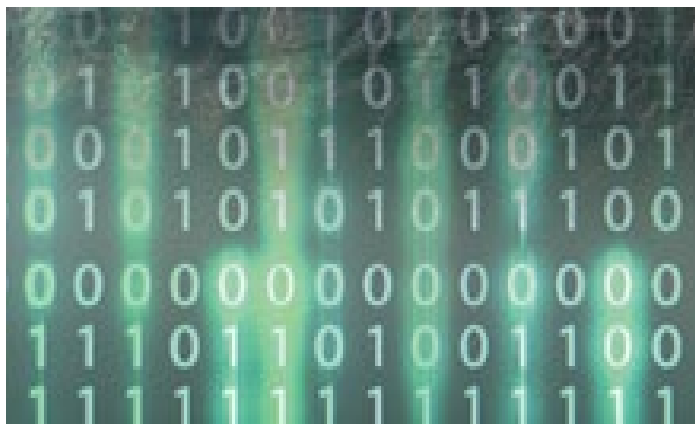
# IT/CIS – CHANGING THE OPERATING MODEL

## Increased focus on CYBER

- Architecture
- Serious gaming and training
- Redundancy and passive site
- Increased capability detect and defend
- New organization



Max operational outcome



Optimal cyber security



Cost effective

## What will we be doing?

- |                                                                                                                                               |                                                                                                                                    |                                                                                                                                                               |                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Datacenter</li> <li>• C4ISR</li> <li>• Network consolidation</li> <li>• Workstation (FIA)</li> </ul> | <ul style="list-style-type: none"> <li>• Helpdesk (chat bot)</li> <li>• RPA</li> <li>• APP consolidation</li> <li>• IAM</li> </ul> | <ul style="list-style-type: none"> <li>• Life cycle management</li> <li>• Agile development</li> <li>• Business/IT interface</li> <li>• Governance</li> </ul> | <ul style="list-style-type: none"> <li>• DevOps contracts</li> <li>• Digital platform</li> <li>• Cloud</li> <li>• and much more...</li> </ul> |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

Performance

Decision Rights

Financial

Talent

Sourcing & Alliance

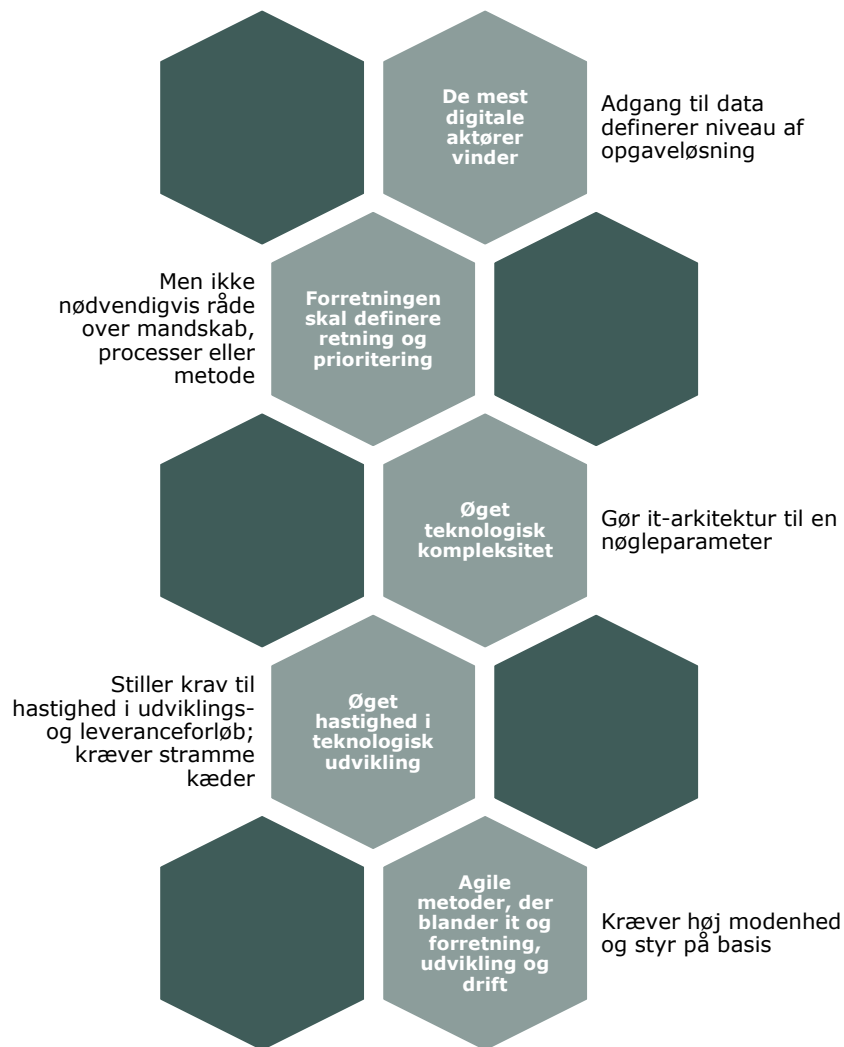
Organizational Structure

Places

Tools

Ways of Working

# Generelle tendenser for fremtidens it



## Nøgle-parametre for vinde

- Digital vision og kompetencer
- Hastighed i eksekvering
- Samarbejde mellem "Forretning og it"
- Investeringsgrad
- Enkel organisering

# **Fremtidens it-afdeling – eller mangel på samme**

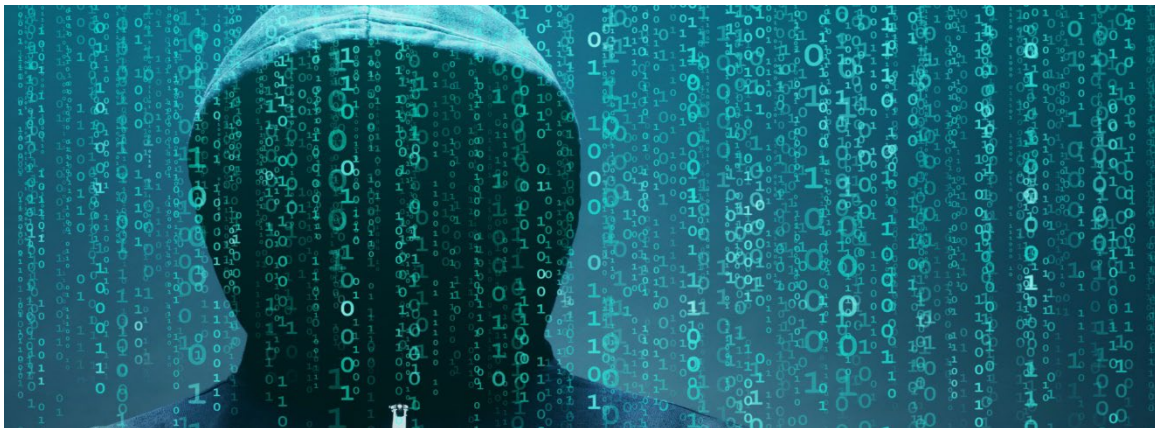
- **IT er en resurse – den kan trækkes i automaten (som også er digital)**
- **Der er en faglighed på spil**
- **Ansvar er som nissen  
– det flytter med...**
- **Kontor → Kultur**
- **Harder, Better, Faster, Stronger  
– work is never over**



# Teknologiske investeringer

- Trusler
- Muligheder
- Krav

→ Målet er kapacitet til at kunne ændre sig



# De gode og de dårlige...



- **Projekter**
  - **Tidsregistrering**
  - **Mobil logistik**
- **Satsninger**
  - **RPA**
  - **SAFe**
  - **Smart phones**



## Change the culture of IT/CIS service

- **Customer centric**
- **Fast**
- **Knowledge driven**
- **Cross functional team based org.**

# **Et svar... eller noget...**

## **Vrede er et udtryk for bristede forventninger**

### Windows

A fatal exception 0E has occurred at F0AD:42494C4C  
the current application will be terminated.

- \* Press any key to terminate the current application.
- \* Press CTRL+ALT+DELETE again to restart your computer.  
You will lose any unsaved information in all applications.

Press any key to continue

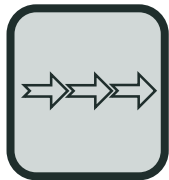
## Fire basale problemer



What you see is what you get...



I don't know how it works – and if I do – I know better than you...



We need new stuff yesterday – but don't drop the ball...



It's all your fault... & don't get Hacked!

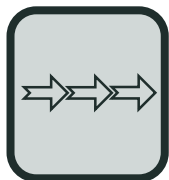
## Byg tillid



Deliver, 24/7 – 365 – this means constant development of production



Don't involve to clear you back – involve to improve business



Move faster – introduce new tech, method and ways of working



Be Transparent & Assume Responsibility – especially when things go wrong



# Spørgsmål?

