DataEquipment

Vi gjør Norge sikrere

tirsdag 20. september 2022

DataEquipment

Øystein Kaldhol

Løsningsdesign – Prosjektleder i leveranseprosjekt

Eksplosjon av IoT og OT i offentlig sektor

En historie fra skyttergravene

Eksplosjon i IOT enheter

DataEquipment

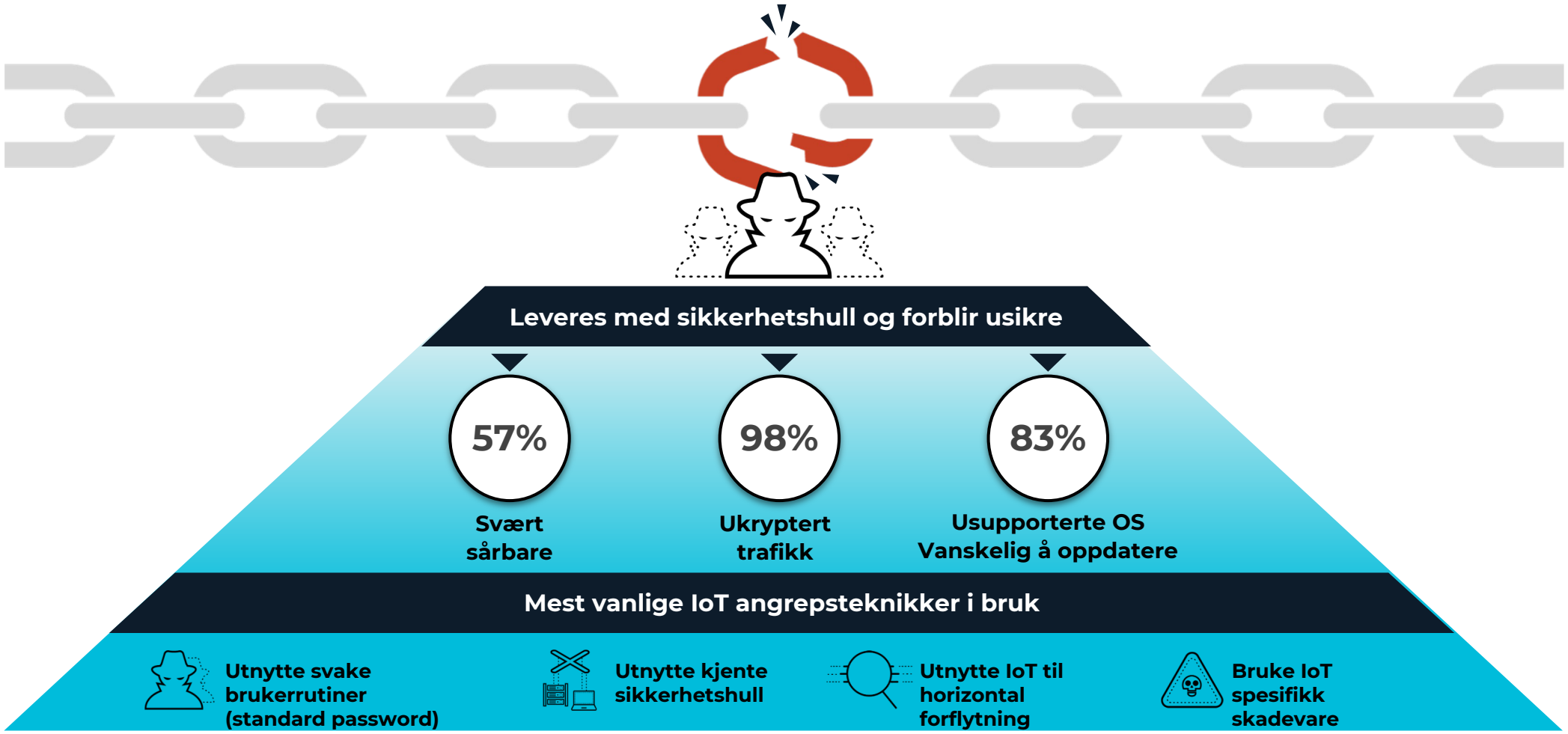
- 10 millioner/dag
- IoT = 4x antall brukere

Kritisk infra	SmartBygg	Offentlig	Helse
			
6Mrd ↑ 177%	4.7Mrd ↑ 220%	1.8Mrd ↑ 162%	1.3Mrd ↑ 244%

Vekst i antall enheter

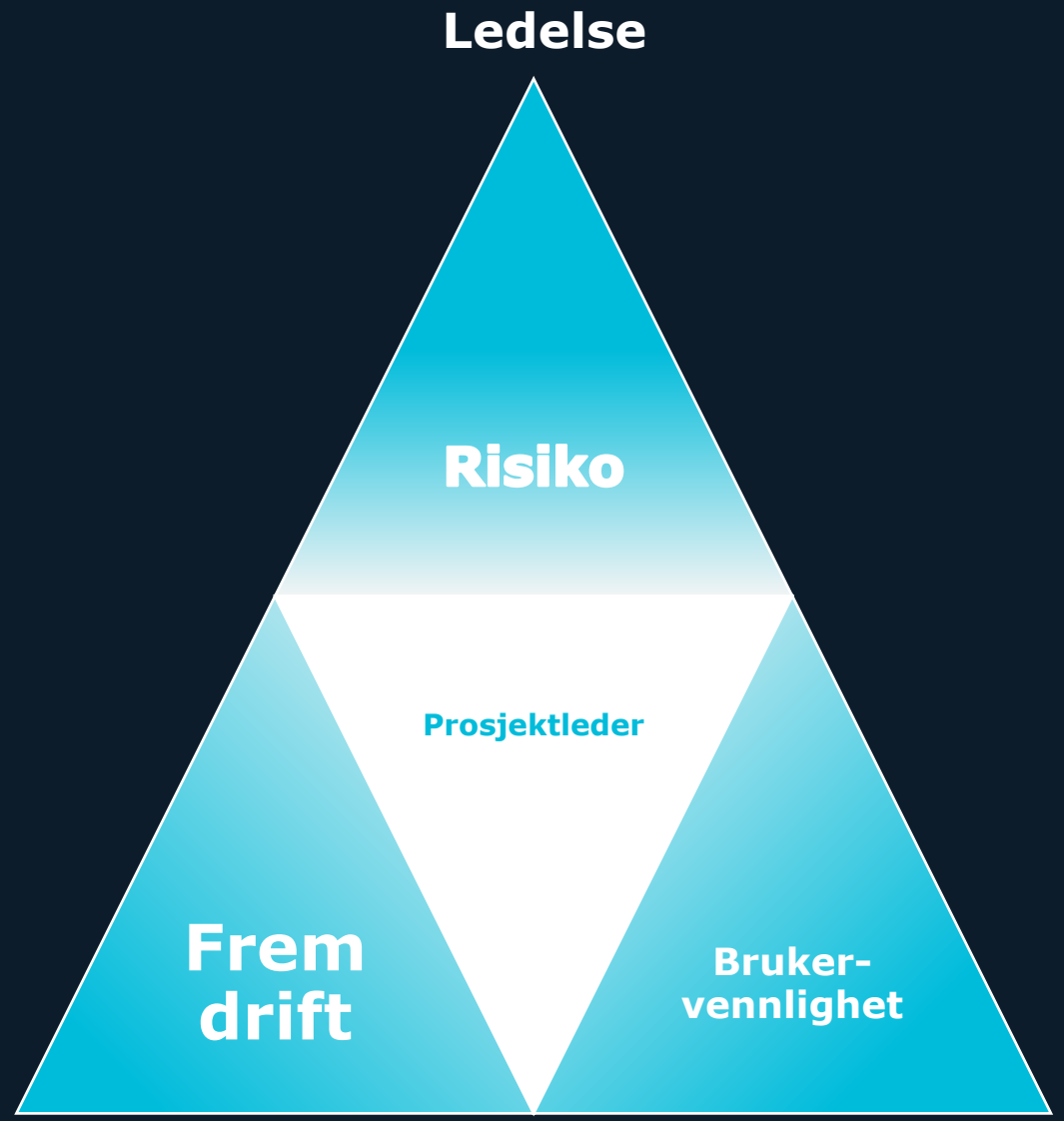
IoT enheter er usikre

DataEquipment



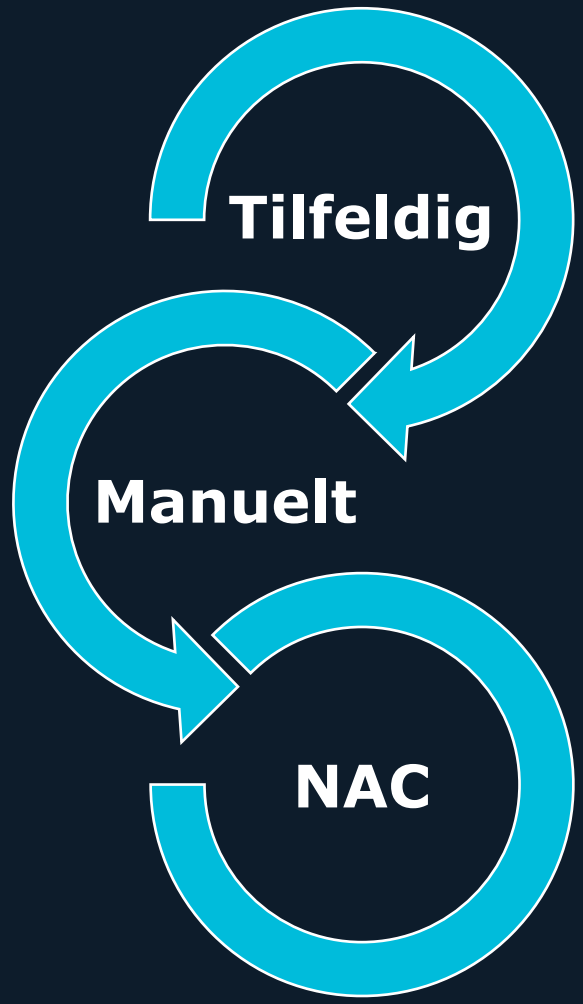
Prosjektlederens dilemma

DataEquipment



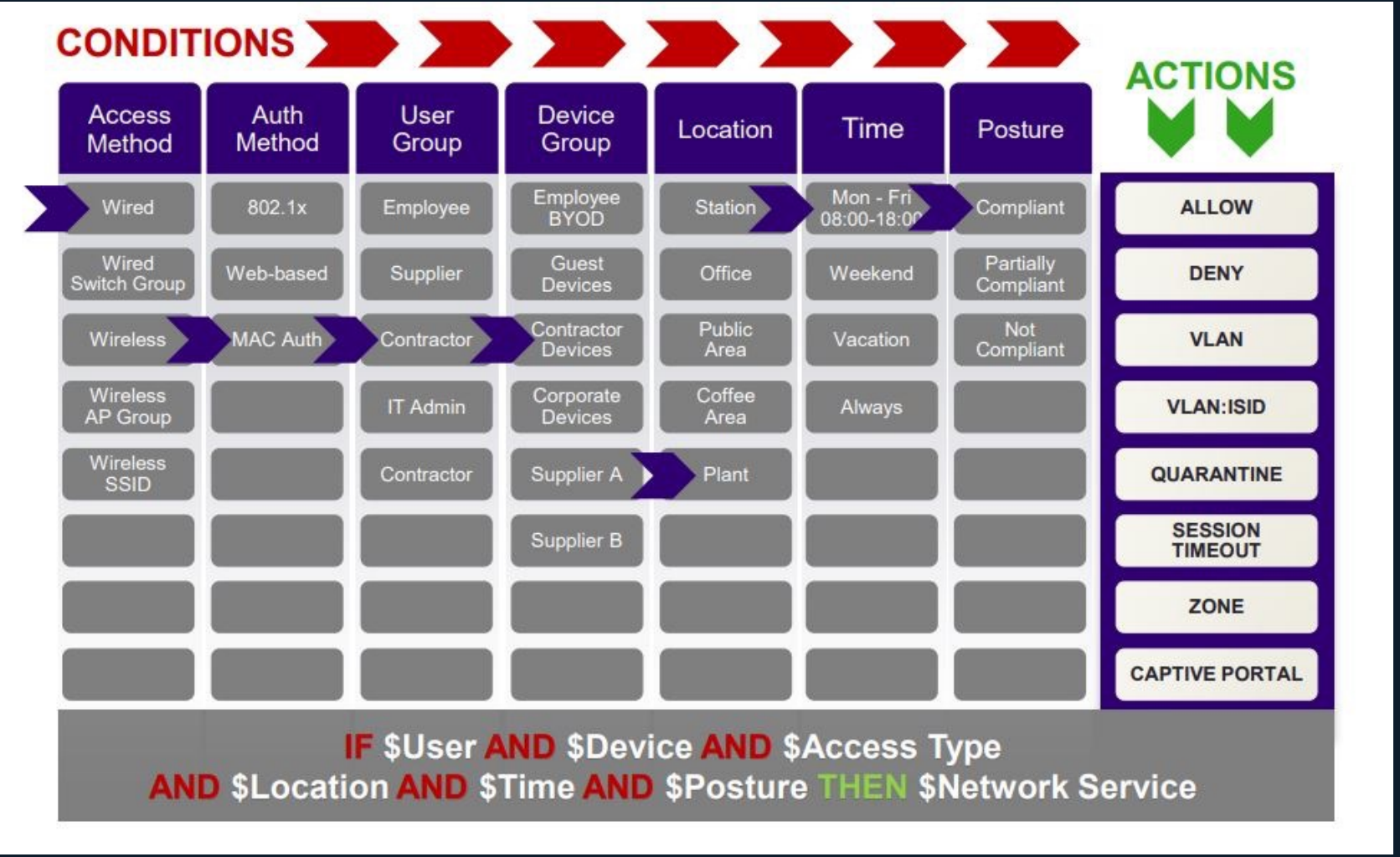
Hvordan behandles IoT i nettet?

DataEquipment

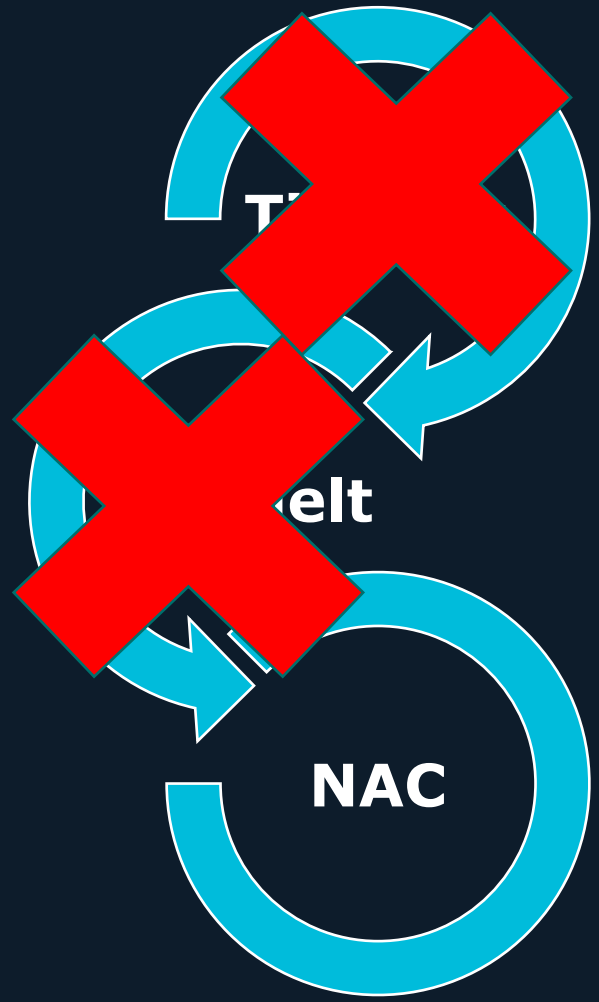


Hvordan gjør den det?

DataEquipment



Hvorfor fungerer ikke dette?




DataEquipment
Manuell fingerprinting er en idiotisk fremgangsmåte
Gammelt jungelord

DataEquipment

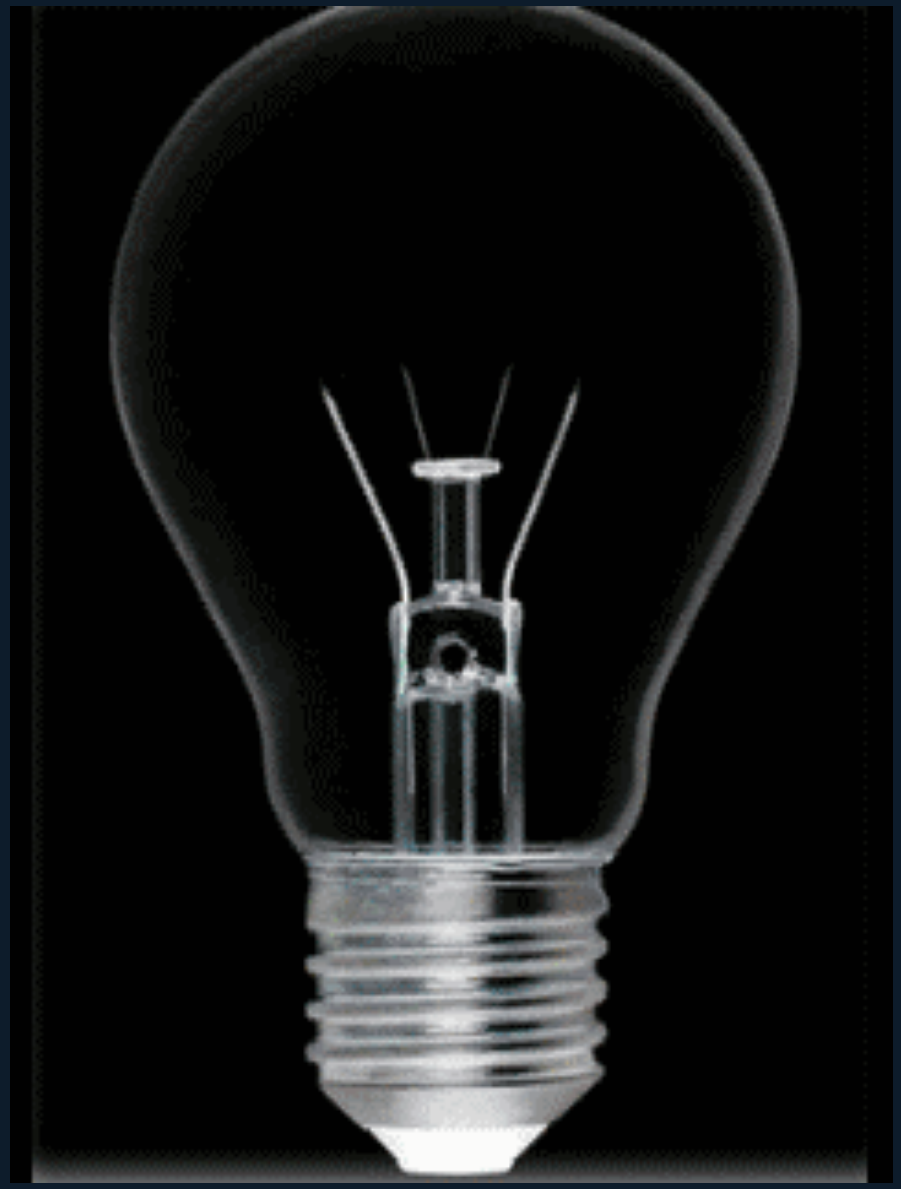
Det måtte være en bedre måte

Løsningen måtte tilby:

- **Rask innføring av ny teknologi**
- **Være tilpasset BYOD og IoT**
- **Skalering**

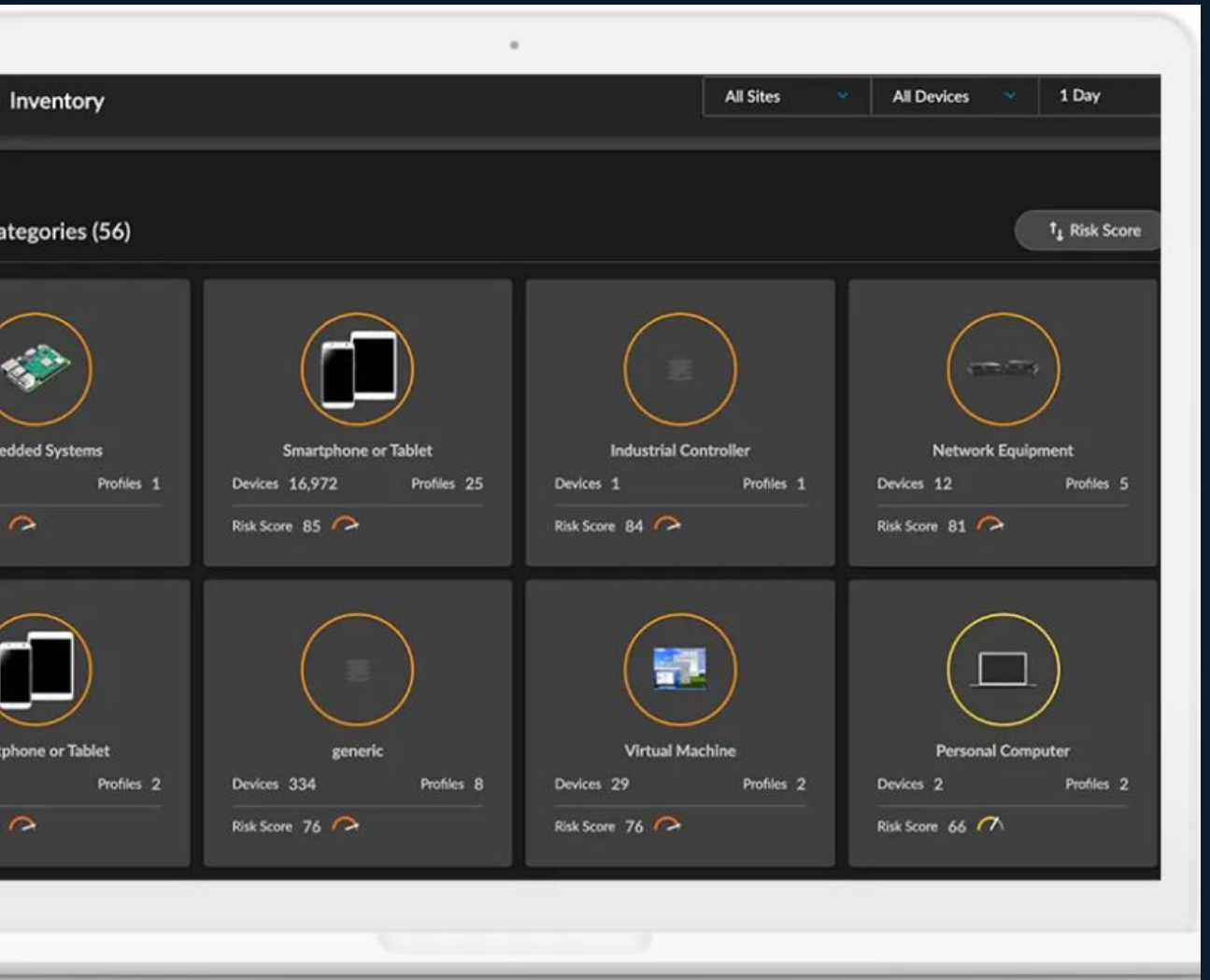
DataEquipment

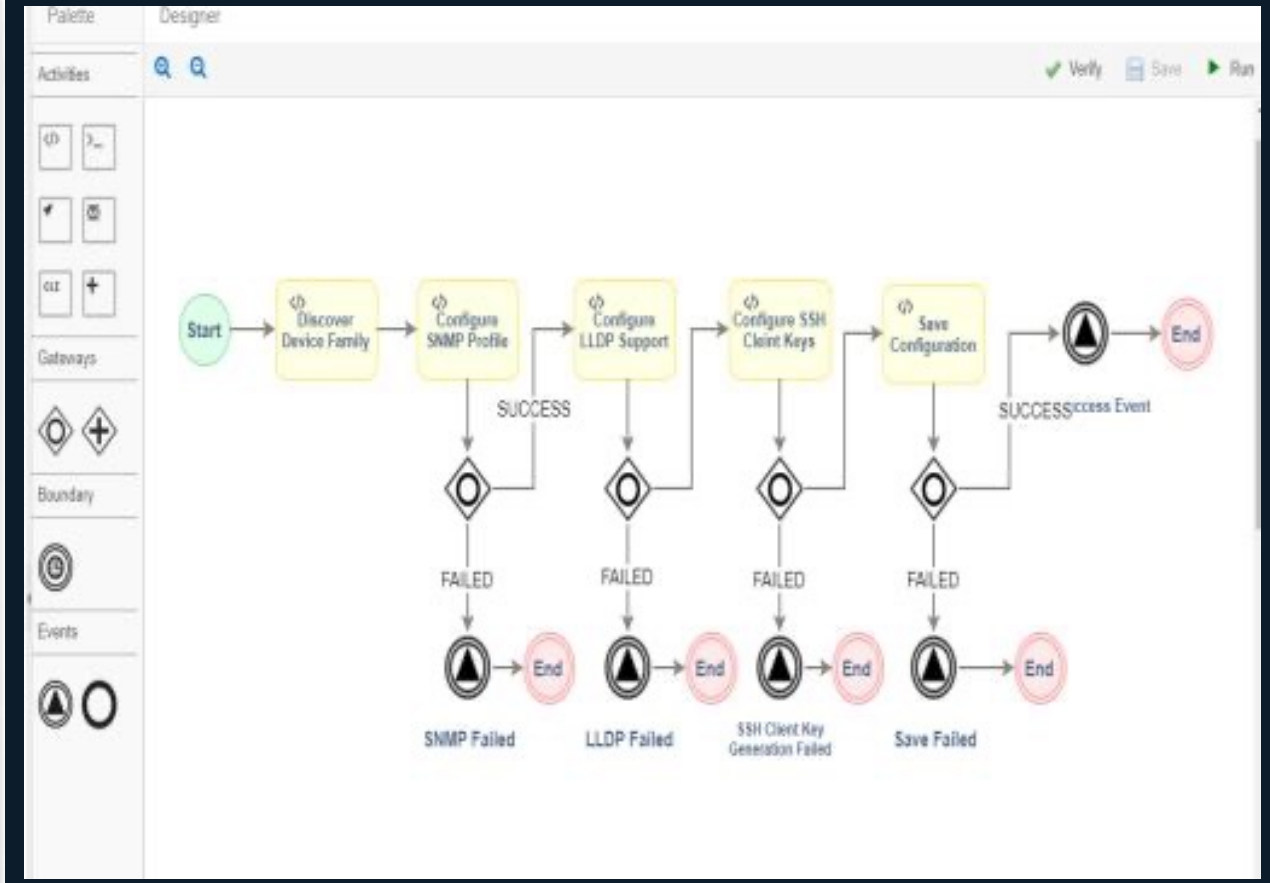
DataEquipment



paloalto® NETWORKS

Extreme® networks



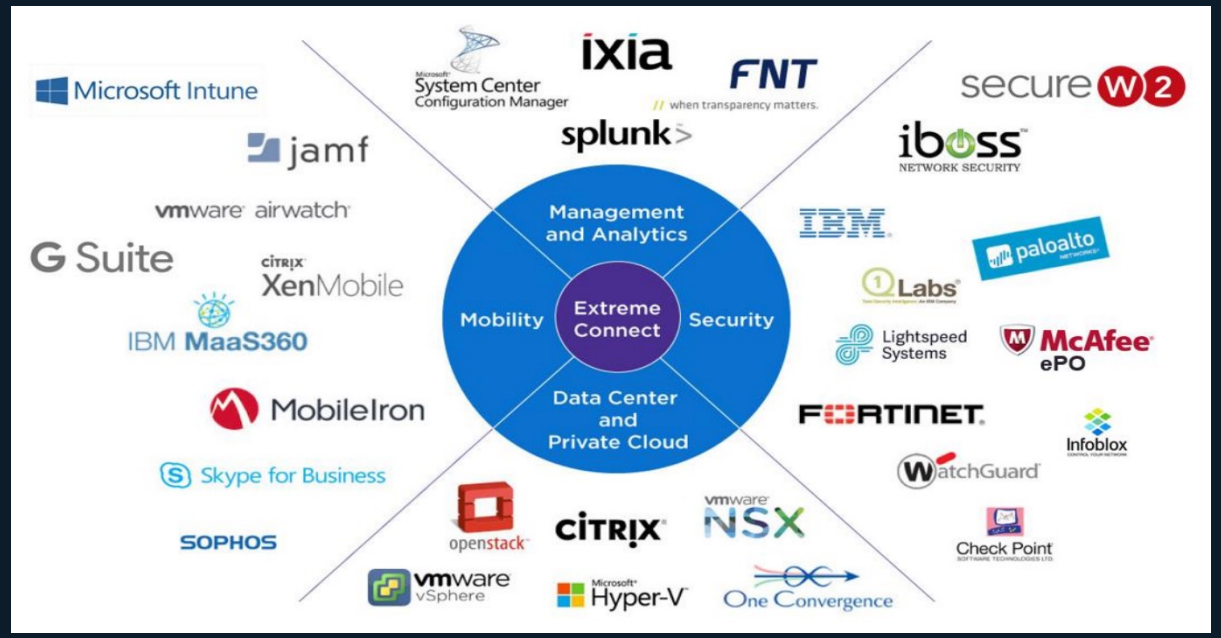


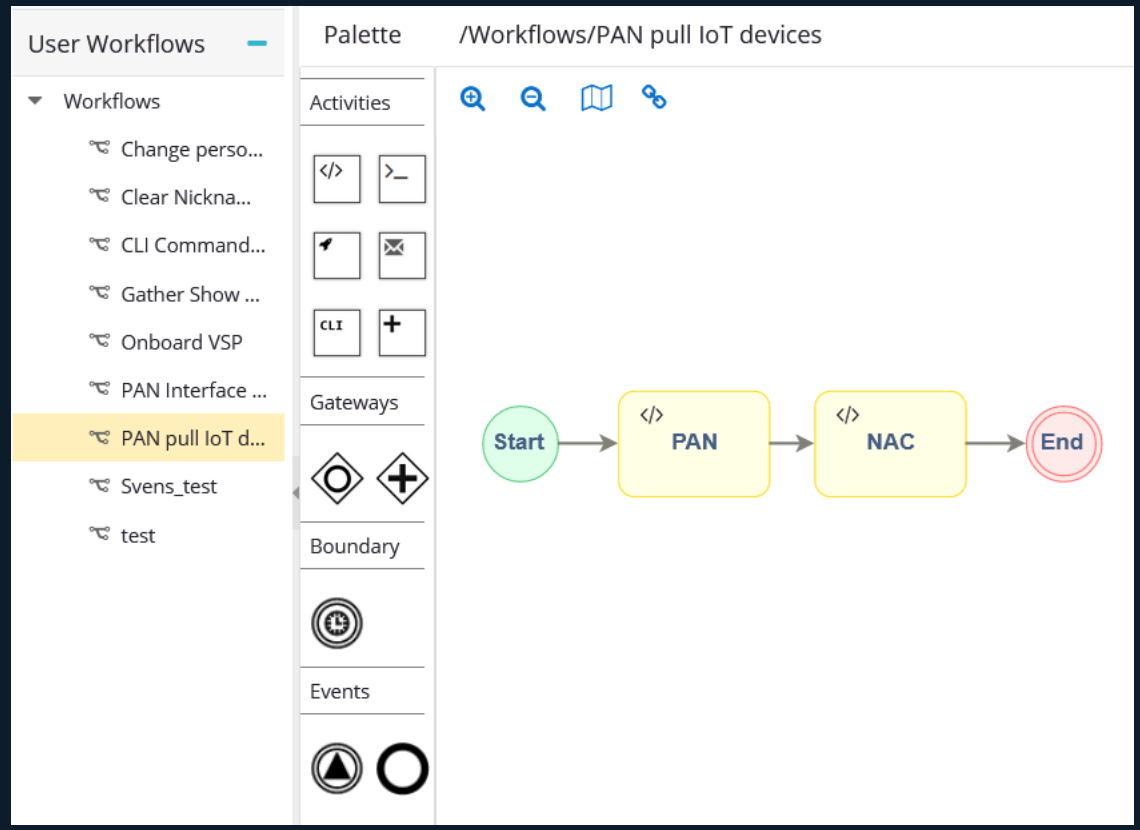
DataEquipment

Hvorfor PANW IoT?

- Behaviour based
- Uendelig skalering
- API i alle retninger

Hvorfor Extreme Networks workflows?





Eksempel på enhetsbibliotek

JSON

key:value


```
{
        "hostname": "Chromecast",
        "category": "Video Streaming",
        "profile": "Google-ChromeCast",
        "profile_type": "IoT",
        "profile_vertical": "Consumer IoT",
        "ip_address": "10.xxx.40.143",
        "mac_address": "ac:67:84:xx:yy:zz",
        "risk_score": 31,
        "risk_level": "Low",
        "last_activity": "2022-07-11T21:43:27.657Z",
        "confidence_score": 94,
        "deviceid": "ac:67:84:xx:yy:zz",
        "allTags": [
        ]
    },
```

Match på verdier

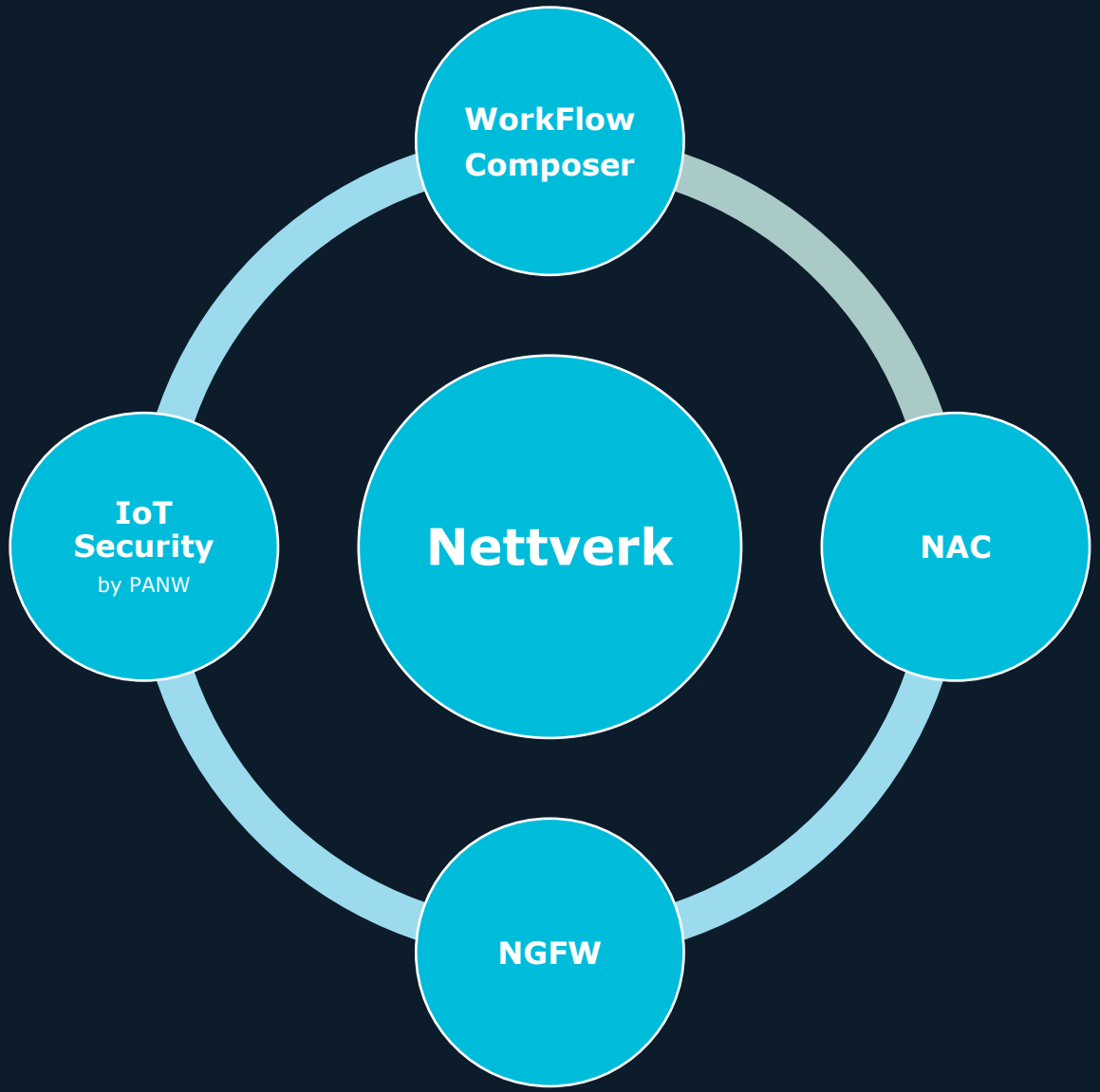
Profil i NAC:

“Videostreaming”


```
{
        "hostname": "Chromecast",
        "category": "Video Streaming",
        "profile": "Google-ChromeCast",
        "profile_type": "IoT",
        "profile_vertical": "Consumer IoT",
        "ip_address": "10.xxx.40.143",
        "mac_address": "ac:67:84:xx:yy:zz",
        "risk_score": 31,
        "risk_level": "Low",
        "last_activity": "2022-07-11T21:43:27.657Z",
        "confidence_score": 94,
        "deviceid": "ac:67:84:xx:yy:zz",
        "allTags": [
        ]
    },
```

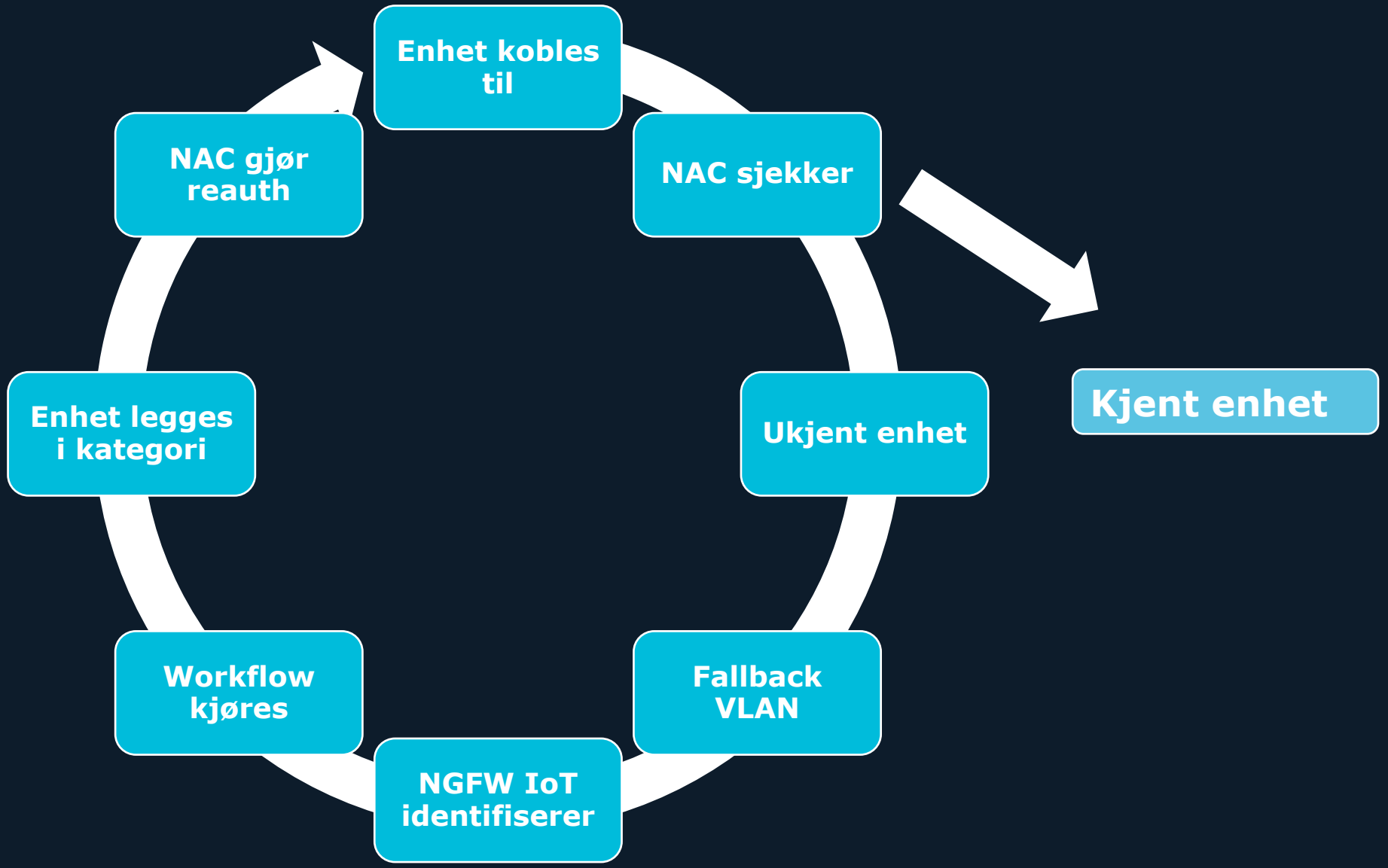
Komponenter

DataEquipment



Flyt

DataEquipment



DataEquipment

Resultatet:

- ✓ Raskere utrulling
- ✓ Mindre administrasjon
- ✓ Høyere sikkerhet


DataEquipment
Takk for oppmerksomheten!
Kontakt oss for demo