

CNaaS in Norway

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Norwegian Agency for Shared Services in Education and Research



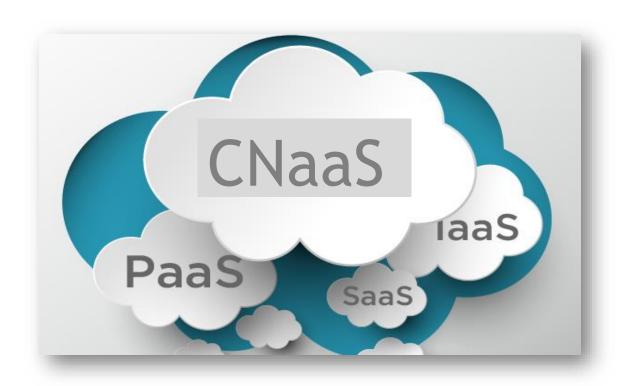


Perfect timing for yet another ...aaS

- General trend to outsource basic services
- Growing work burden at the local ICT departments
- Local know-how is vulnerable / retiring / non-existent

CNaaS key benefits

- Build a central, strong team
- Automate and scale
- Improve quality and up time
- Improve security





Business model

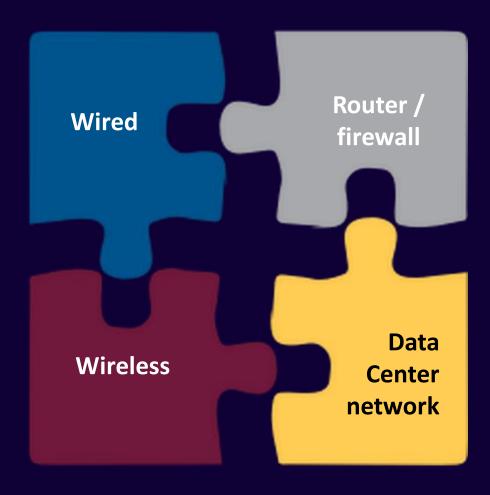
- We purchase, own and maintain all equipment
 - framework agreement with supplier
- Two alternative payments models:
 - a) No establishment fixed yearly cost
 - b) Upfront cost for all equipment and manpower to establish service + yearly cost for operations







CNaaS pick & choose



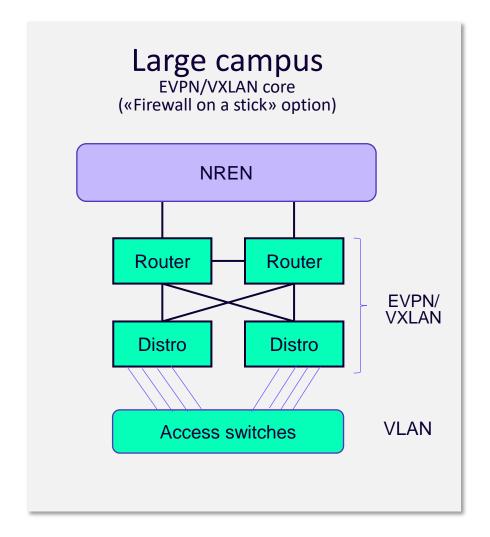
we build – we operate

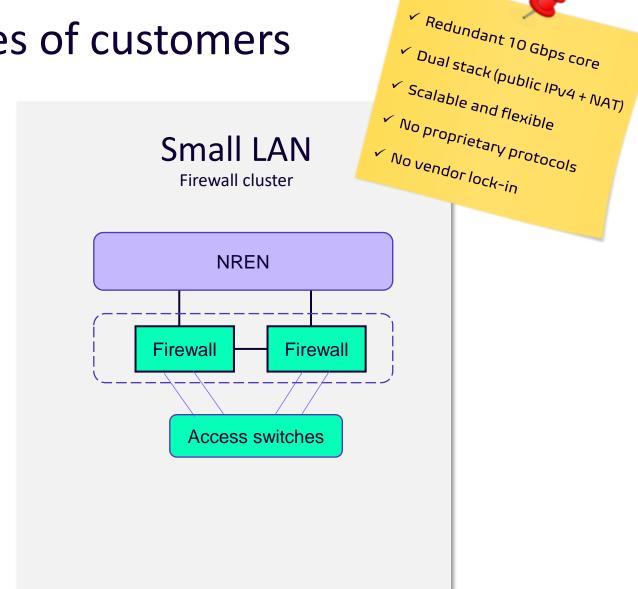
A pragmatic approach necessary





Two main categories of customers



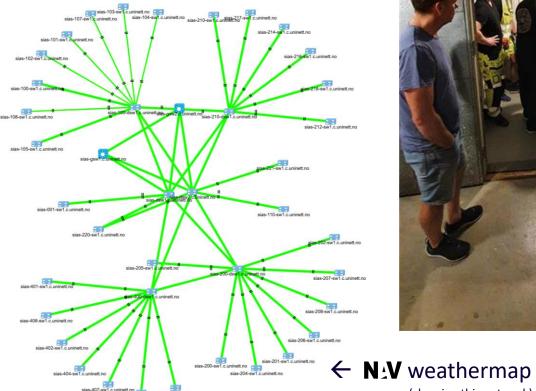








New network to 2100 student dormitory rooms





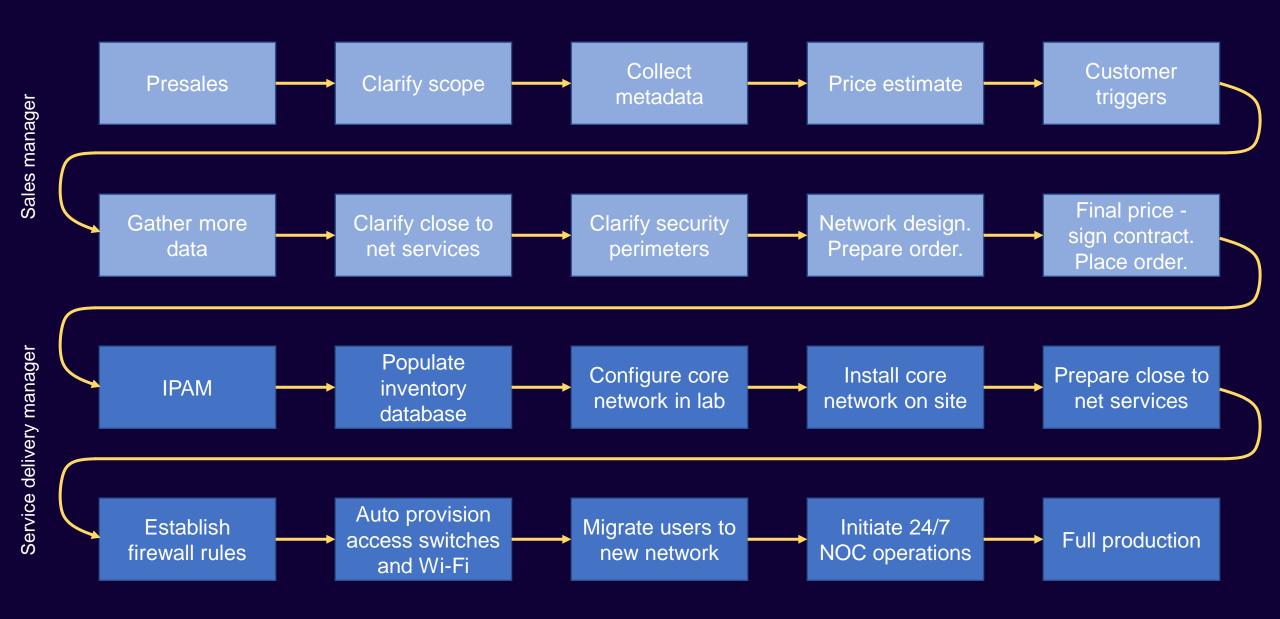
(showing this network)



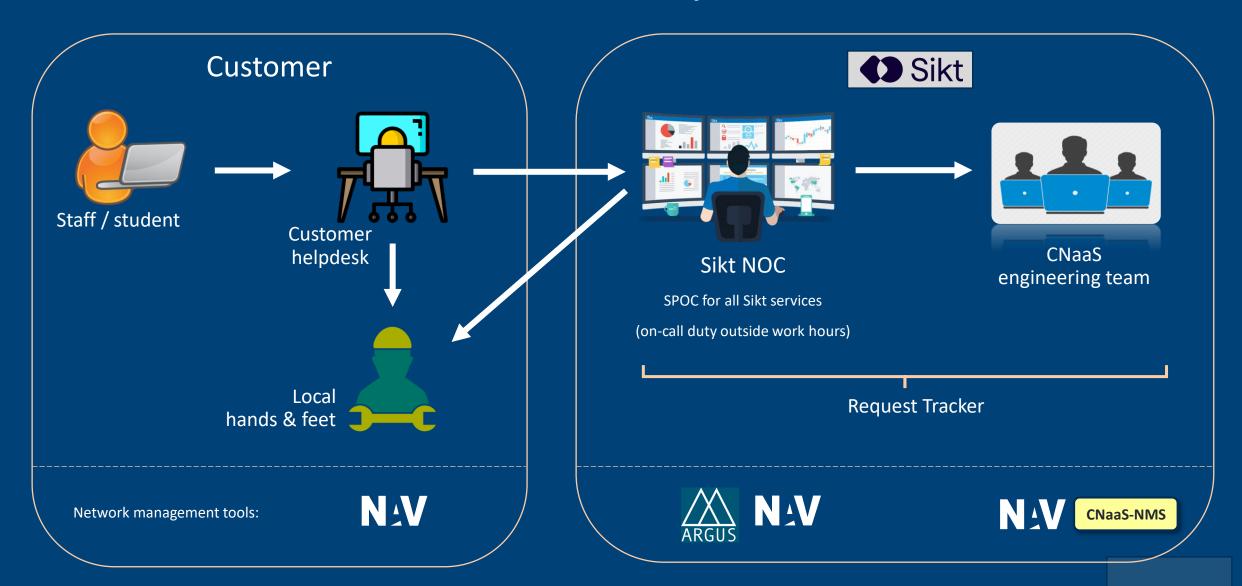


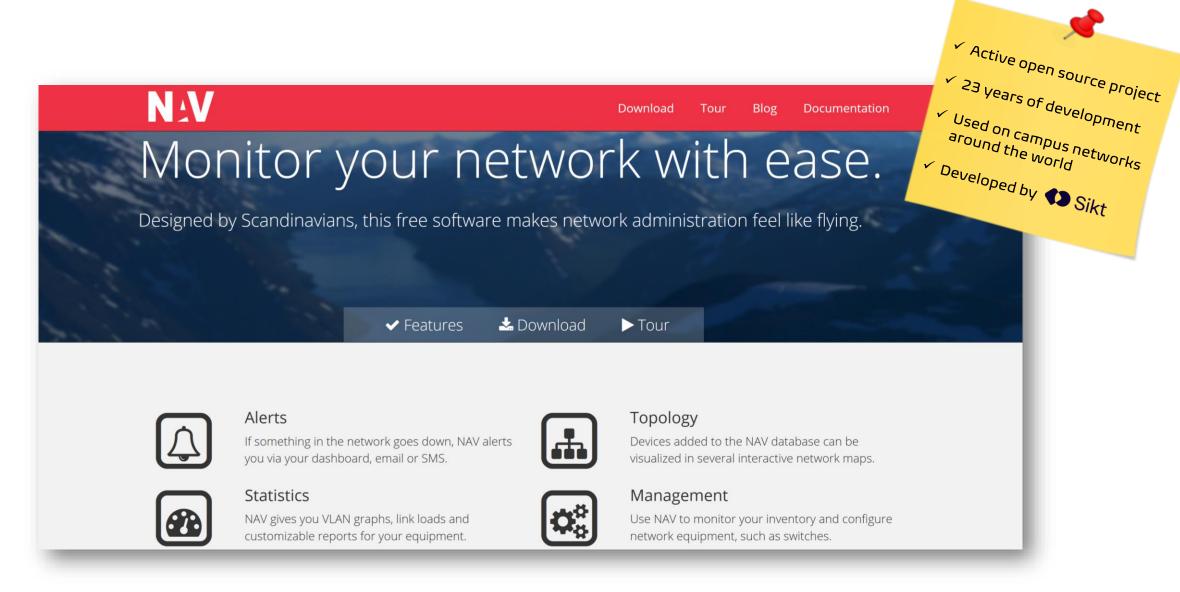


The CNaaS journey (6-18 months)



Service delivery model

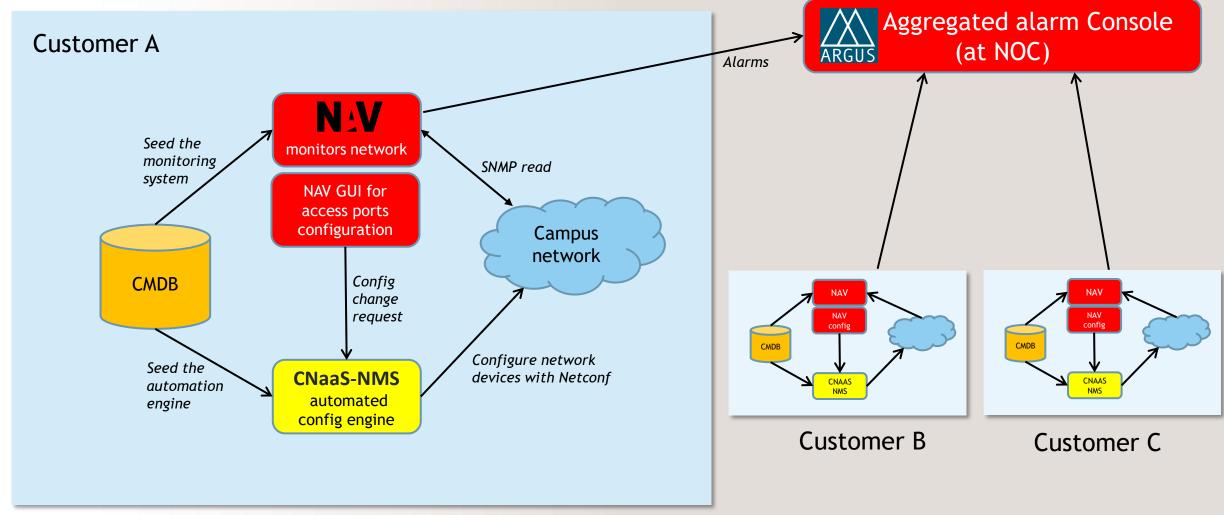




Network Administration Visualised - NAV.uninett.no



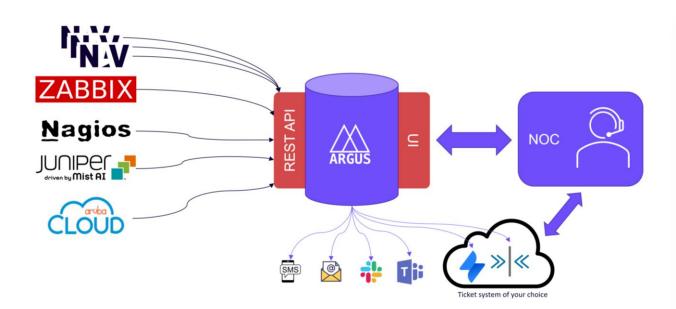
CNaaS NMS architecture (Sunet and Sikt collaboration)





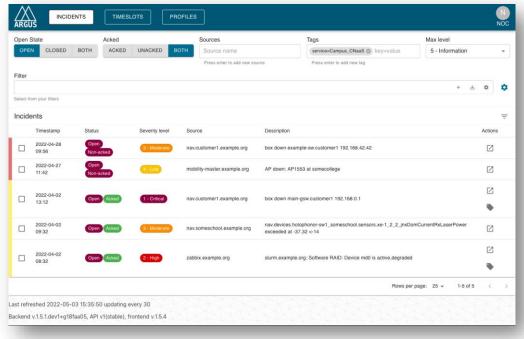


Argus – an aggregated Alarm Console



Aggregate incidents from all monitoring applications into a single, unified dashboard and notification system

Acts as a single pane of glass in your NOC





Lessons learned and plans ahead

- Close interaction with customer is key
 - Technical staff at customer need to work WITH us
 - SLA/mutual expectations both Sikt and customer
 - Clear demarcation line who is responsible for what
 - Day-to-day low risk changes must be done by the customer



• CNaaS reference architecture can influence campus design for all campuses in Norway

Plans ahead

- CNaaS processes need continuous improvement will we ever be done?
 - Improve processes, tools portfolio and integrations
 - Improve automation
 - Better IoT support
 - Strengthen integration with SOC
 - And more....





Thank you ©

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