

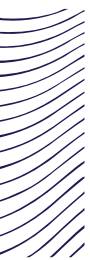


INNOVATION FACTORY NORTH

Hør nærmere om
deltagelse i
Innovation Factory
North

30. Januar 2020





**Teknologi-
leverandører**

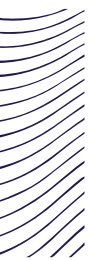
**Viden-
institutioner**

**Smart
Production
Lab**

Studerende

**Teknologibrugere
(industrielle)**





Dagens læring

3

Fraunhofer, Arena 2036

Co-creation

Langsigtede fokus/strategi

Konkrete projekter, der peger frem imod det langsigtede potentiale

Modenhedsmåling

Demonstratorer

Implementering

UX – brugerens perspektiv

AAU-tilgangen

Universitetet som omdrejningspunkt for indsatsen = ikke kommercielt drevet, men stort fokus på at skabe ny viden sammen

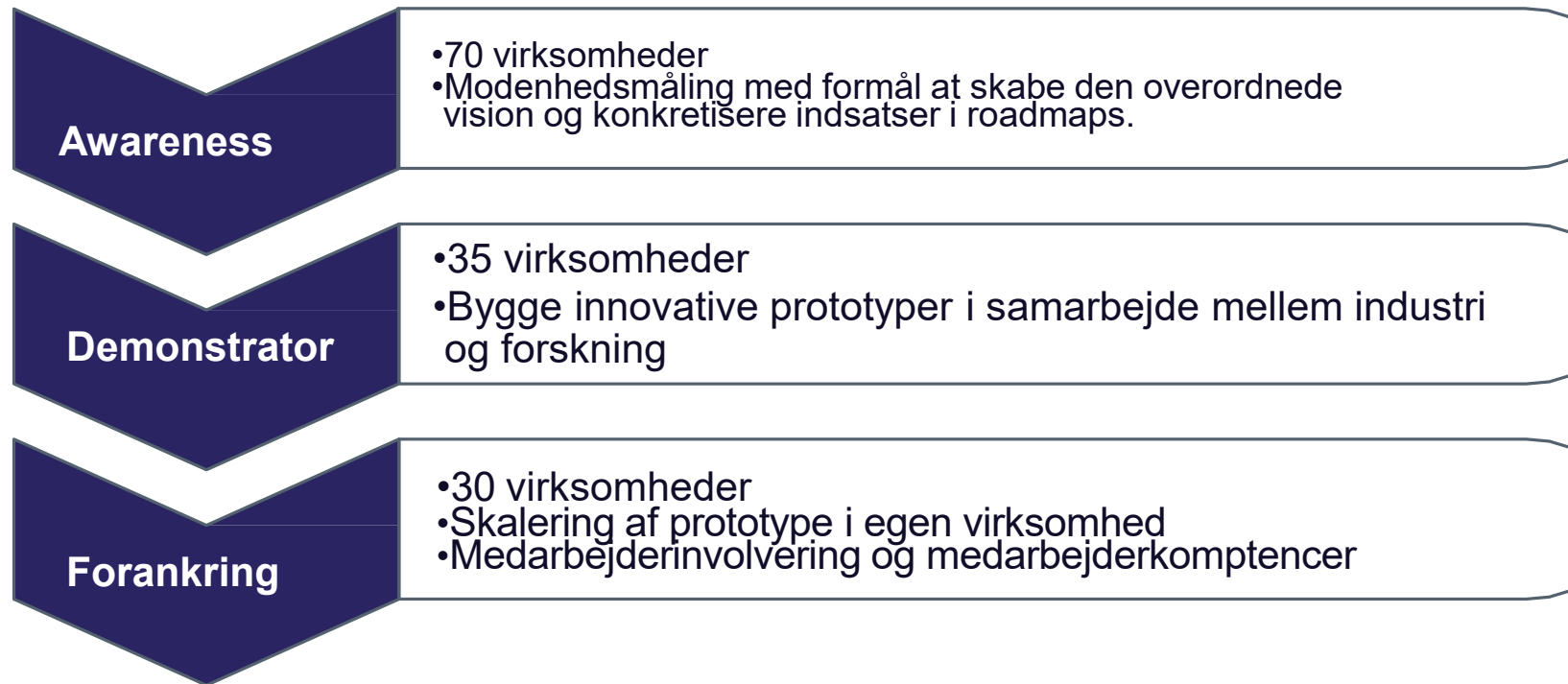
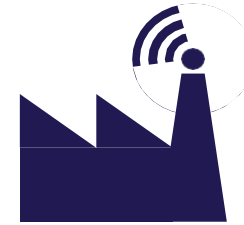
SME virksomheder i fokus – store gerne involveret

Hastighed i projekter

Virksomhedernes refleksion og læring i fokus – snarere end konsulent-skabt viden.

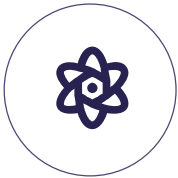
INNOVATION FACTORY NORTH

www.ifn.aau.dk



Daily manager • Lab engineer • 7 PhDs • Senior researcher involvement • Corps of student assistants

Emner i fokus i Innovation Factory North



Smart Production

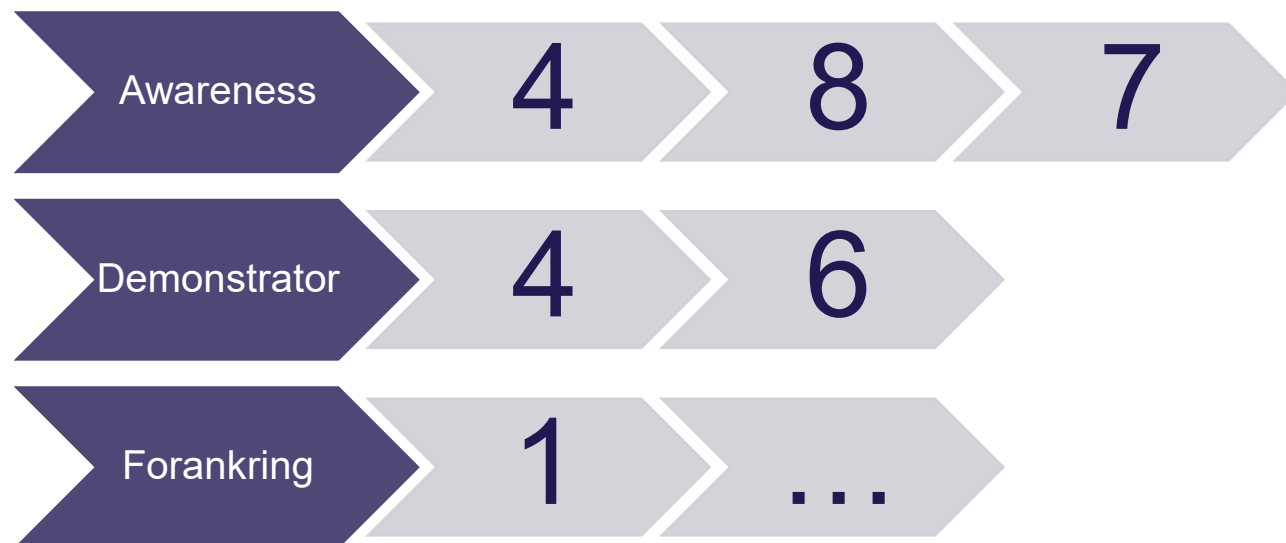
- › Intelligent Supply Chain
 - › Horizontal integration through value networks
 - › Connected organizations
- › Digital Manufacturing
 - › Digital integration of engineering across the entire value chain
 - › Connected products
- › Smart Factory
 - › Vertical integration and networked manufacturing systems
 - › Connected processes
- › Empowered Workforce
 - › Empowered workforce from shop floor to the board room
 - › Connected employees



Innovationssamarbejder indtil nu

6

Virksomheder



**Vi starter nye
innovationssamarbejder med 5+
virksomheder hver 3. måned**

PhD STUDERENDE
4

MSc STUDERENDE
App. 20

FORSKERE
App. 20

ADVISORY BOARD
Leaders from industry +
knowledge institutions



AALBORG UNIVERSITY
DENMARK

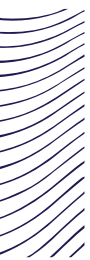
BRAINS X BUSINESS
ICT NORTH DENMARK

DEN EUROPÆISKE UNION

Den Europæiske Fond
for Regionaludvikling

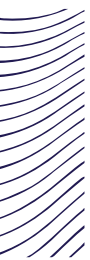


Vi investerer i din fremtid



PhD projekter i samarbejde med UCN

1. Digital Twins and Production Data Analytics as Decision Support in Operational Performance.
2. Collaborative robots for SMEs with modular hyperflexible automation
3. Integrating smart production through MES/ERP systems
4. Sustainable Digital Supply Chain – closing and connecting the circular loops
5. Innovating for Smart Production
6. Labour 4.0 – Competences for Smart Production
7. Connected customers – Demand driven manufacturing through IoT

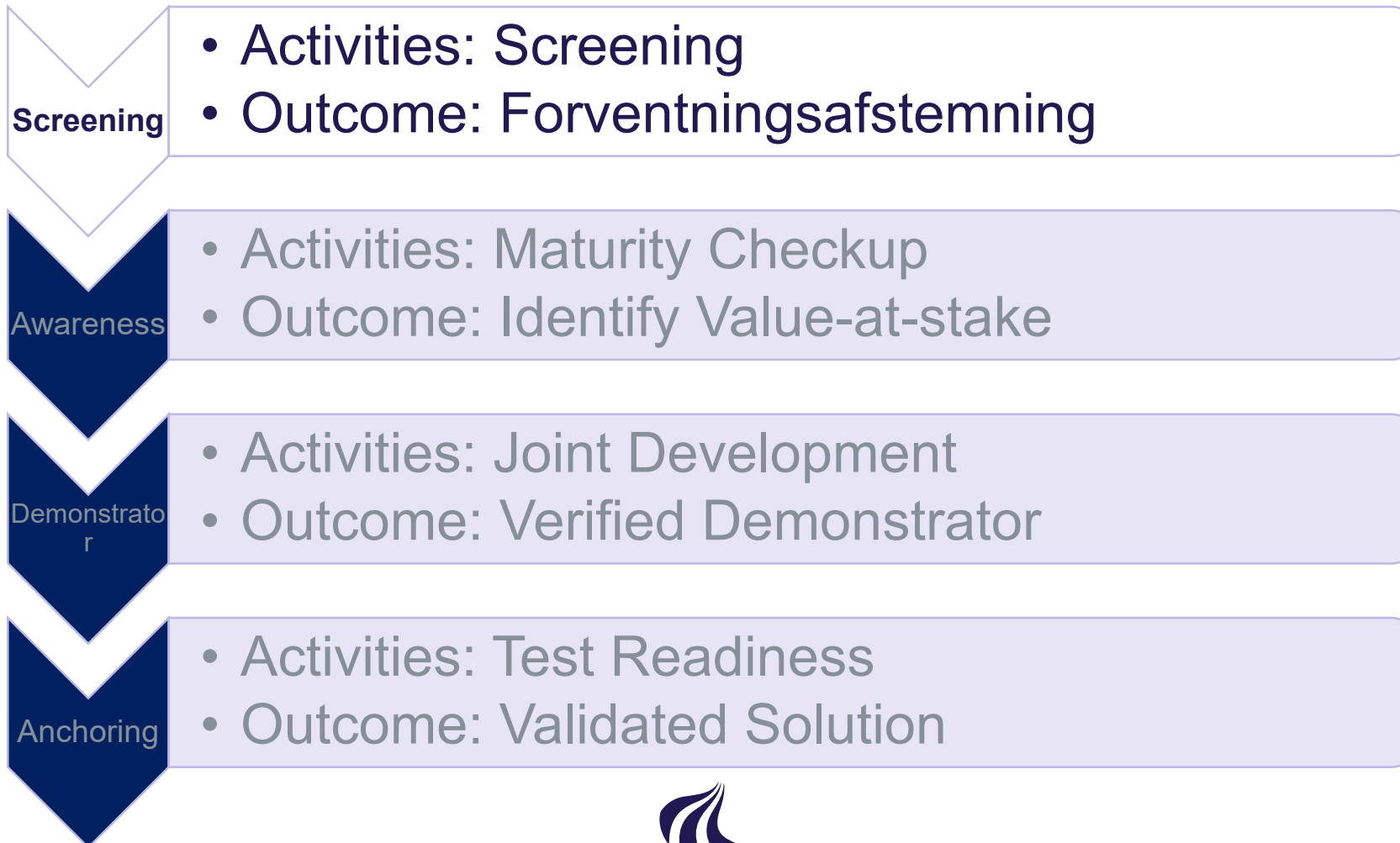


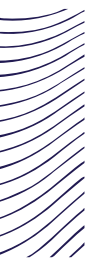
Emner i fokus indtil nu

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- "Datafication" of manual processes
- Datadriven decision making
- Predictive maintenance
- Integration across technology domains
- Machine learning
- MES/ERP

IFN Approach





Screenings kriterie

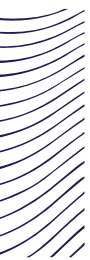
Individuelle kriterier:

- *Om virksomhedens ønsker og behov kan løftes gennem den faglige profil der tilbydes gennem Innovation Factory North*
- *Om virksomheden er motiveret for at samarbejde med andre om udviklingen af innovation.*
- *Om virksomheden har mulighed for at dedikere tilstrækkelig tid/personale til opnå positive resultater gennem innovationssamarbejdet.*

Generelle hensyn:

Min 50% SME i hvert innovationssamarbejde

Min 50% af total from yderkommuner: Frederikshavn, Hjørring, Jammerbugt, Thisted, Morsø, Læsø og Vesthimmerland



Kontakt

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