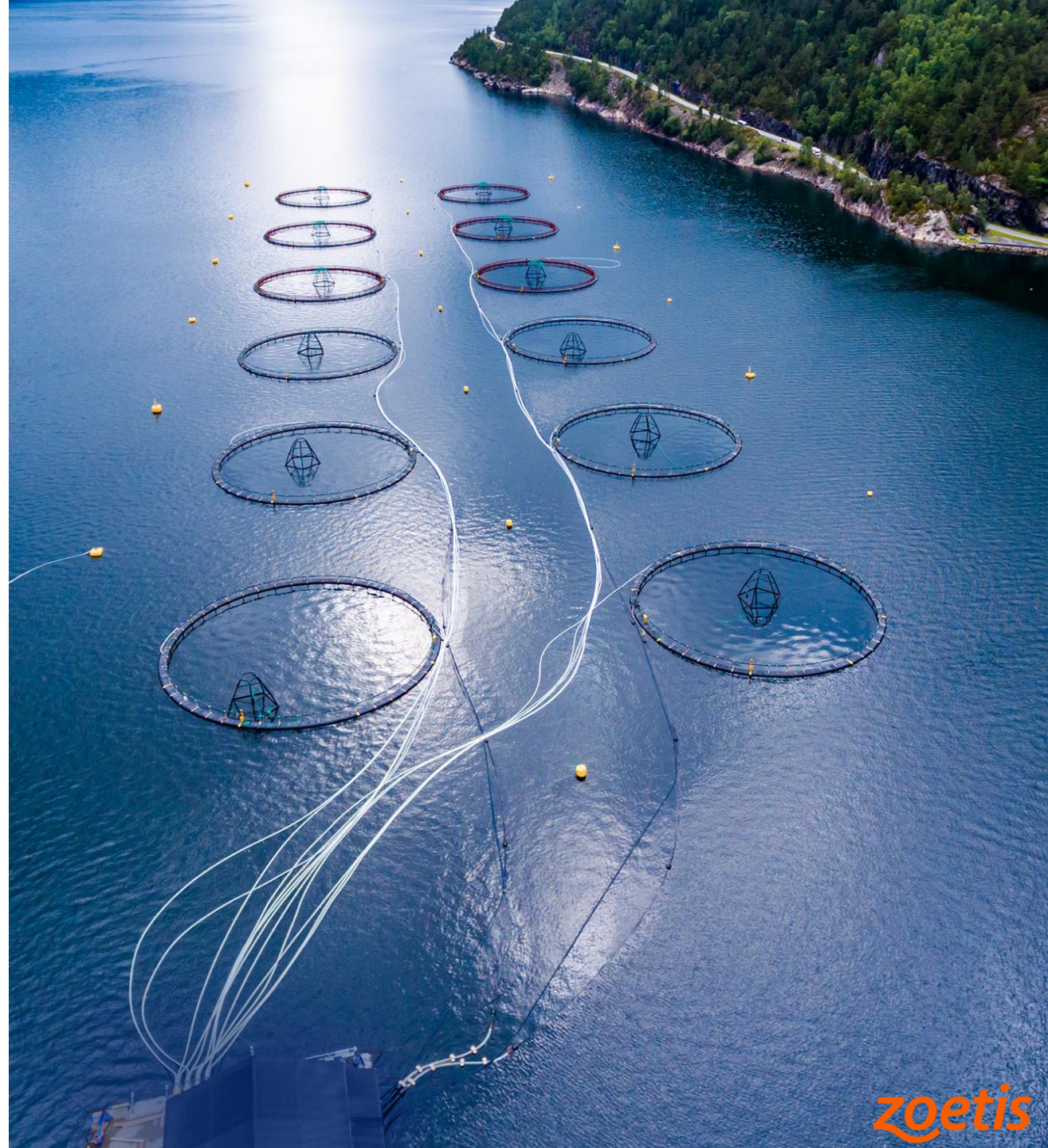


PHARMAQ

Å bygge kompetanseindustri i distriktet

Espen G. Pedersen
Konst. Fabrikkdirektør

PHARMAQ
part of *zoetis*



zoetis

NURTURING THE FUTURE
Ensuring a safe and sustainable food supply



NURTURING THE FUTURE

Ensuring a safe and sustainable food supply

420

dedicated employees

40

years of R&D on fish health and vaccines

9 of 10

farmed salmon in the world are vaccinated with a PHARMAQ product

+2 billion

fish vaccine doses delivered in 2025

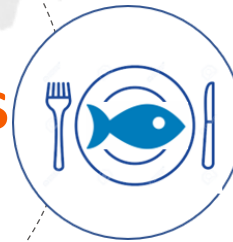
35+

fish vaccines are developed and produced in Norway

8

species supported

**50 MILLION
HEALTHY
SALMON MEALS
SERVED EVERY
DAY**



Overhalla og Kløfta er de eneste stedene i Zoetis hvor det produseres fiskevaksine

Overhalla

Main manufacturing facility of PHARMAQ

All bacterial antigens (25) and vaccines (35) are produced at this GMP approved site

~ **120 employees** of which 2/3 work in Production and 1/3 in Quality

Total building area OvH of 4000m² (including the QA/QC laboratory) & Labelling/WH Spillum, Namsos 1200m²

Total area 25000m²



Kløfta

Kløfta **manufacture all viral antigen** for fish vaccines in PHARMAQ – approved by NoMA 2017

4 viral antigen (SKU)

~ **50 employees**

Approx 2000m² mesanin and 2000m² storage area

New rented area for expansion approx 2000m²



Vi finner løsninger

En bærekraftig oppdrettsnæring i Norge

Økende behov for protein



Økende befolkning

~7 til 9 milliarder innen 2050



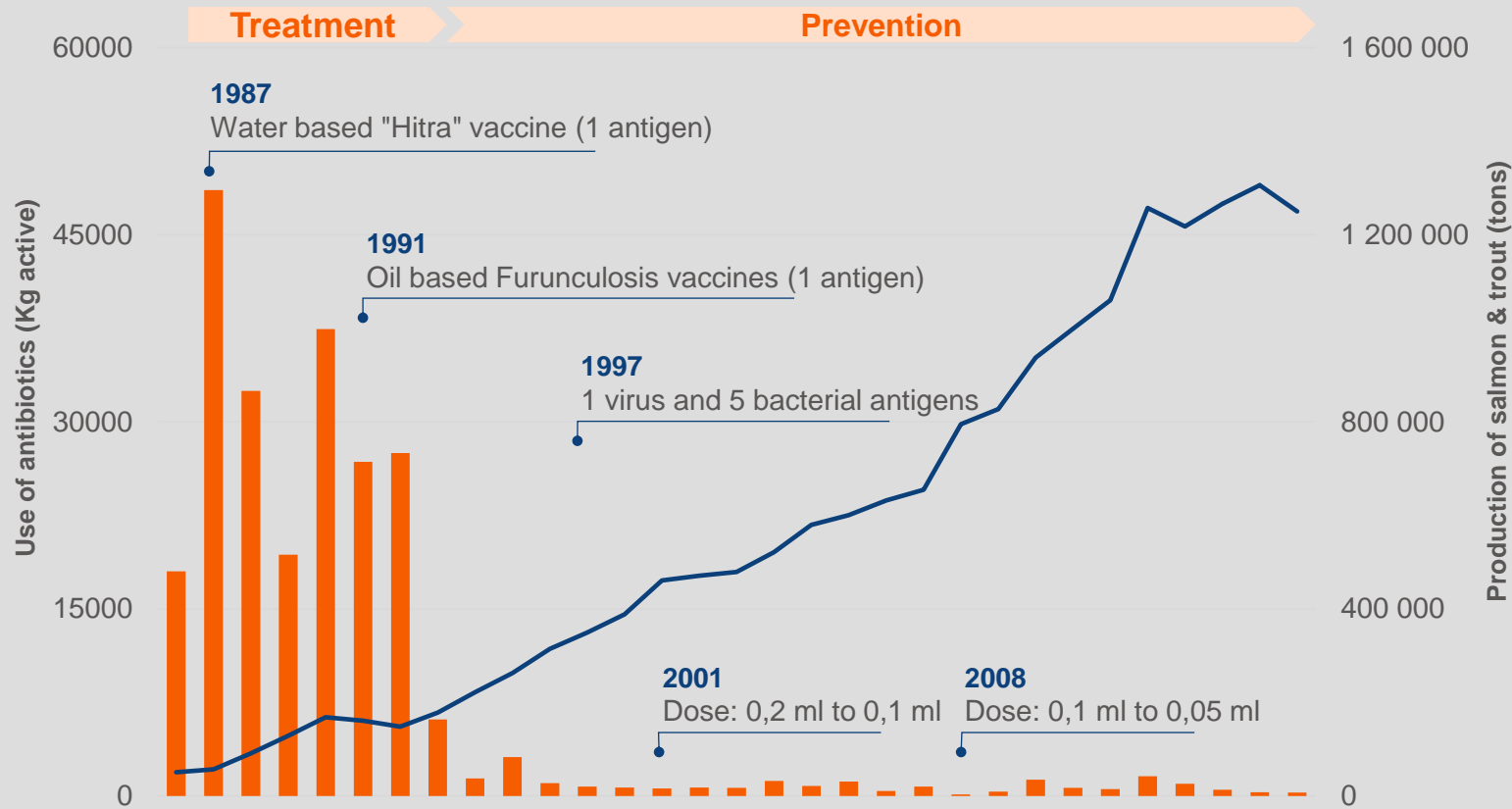
Økende middelklasse

~3 milliarder mer innen 2030



Urbanisering

~50 til 70% innen 2050



Source: Sales & dosing data from all wholesalers in Norway

Vår historie



1985

AL AS,
Norway,
commits to fish
health and
**establish its
facilities in
Norway**



1996

Production
**facility for fish
vaccines** opens
in Overhalla,
Norway



2000

All vaccine
**manufacturing
moved from
Seattle to Ovh**

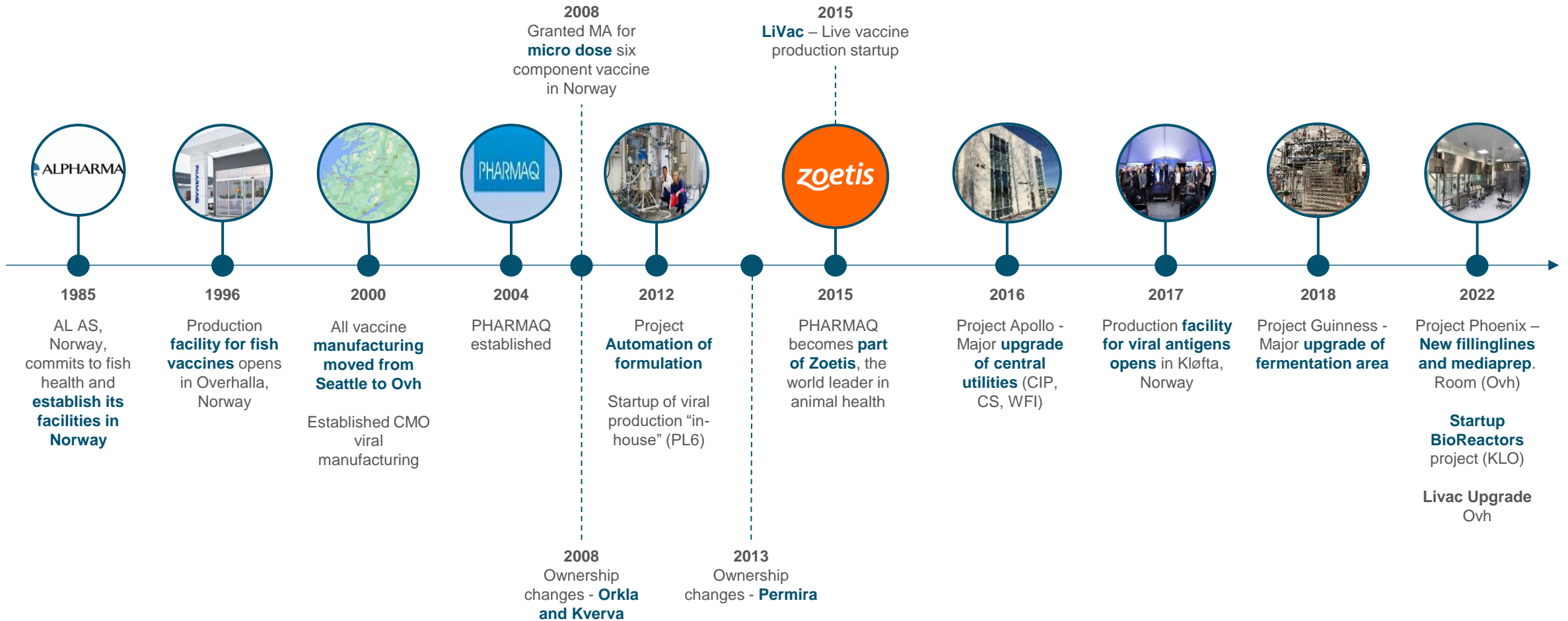
Established CMO
viral
manufacturing



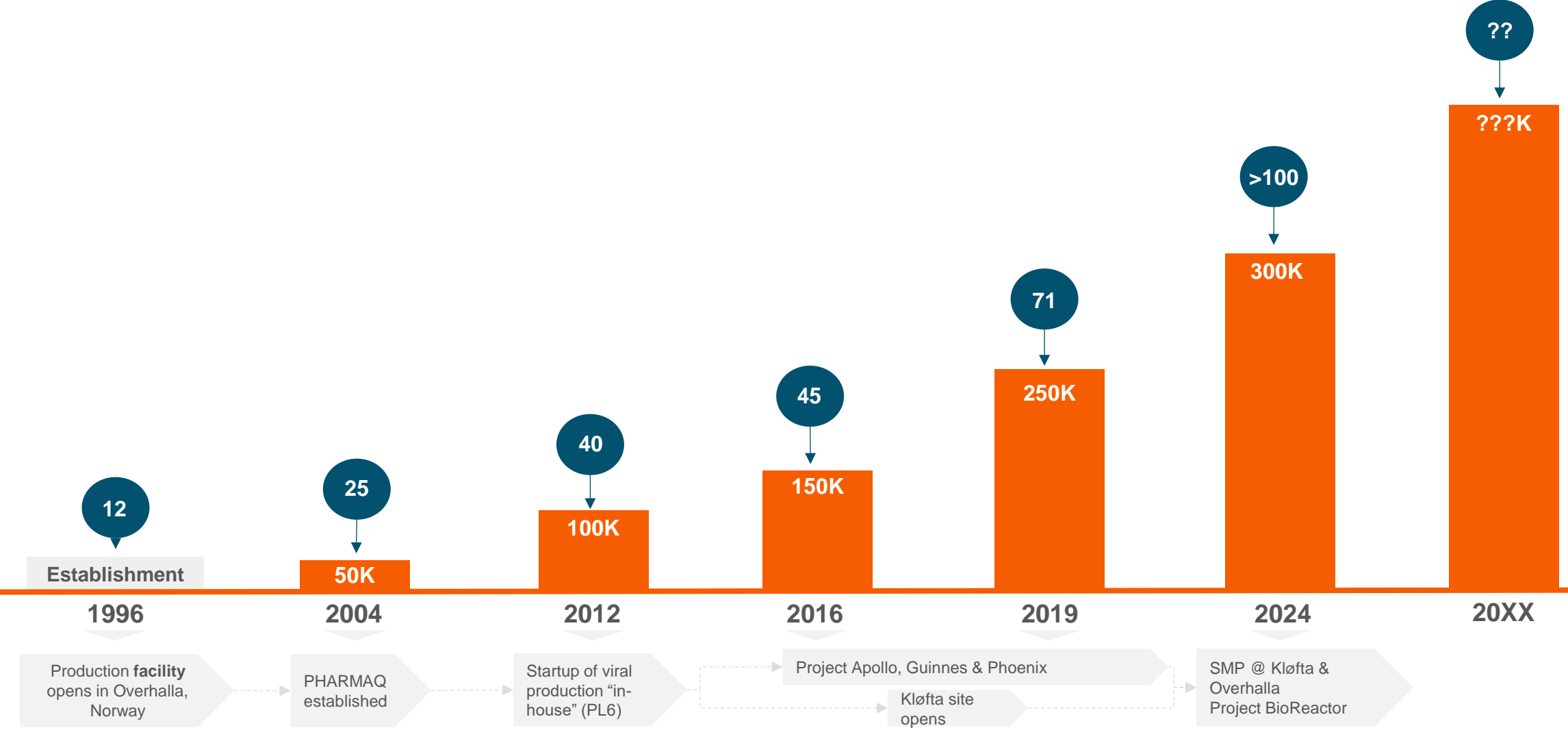
2004

PHARMAQ
established

Vår historie

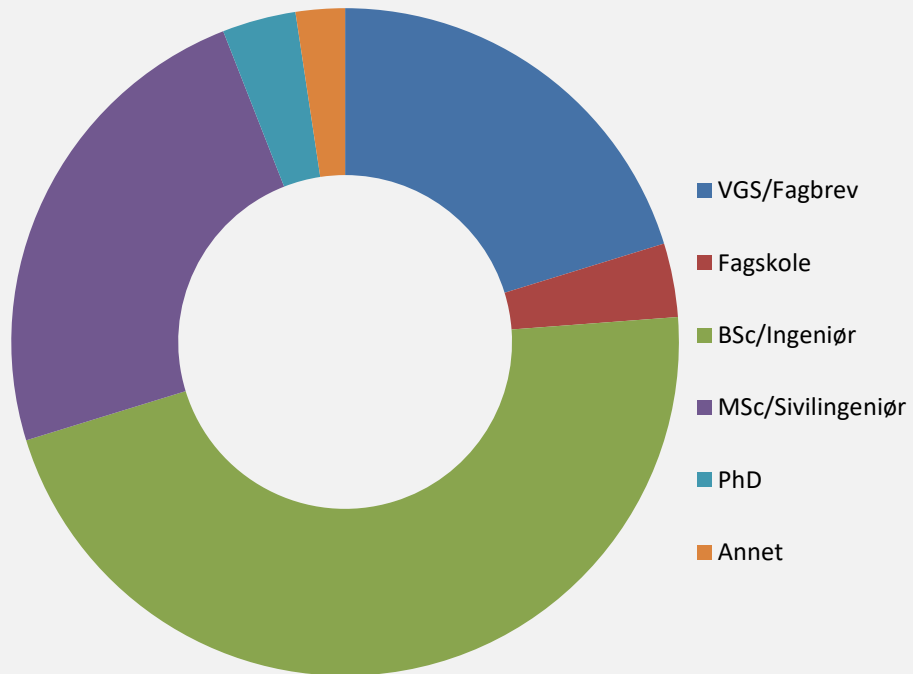


Betydelig vekst fra oppstarten i 1996

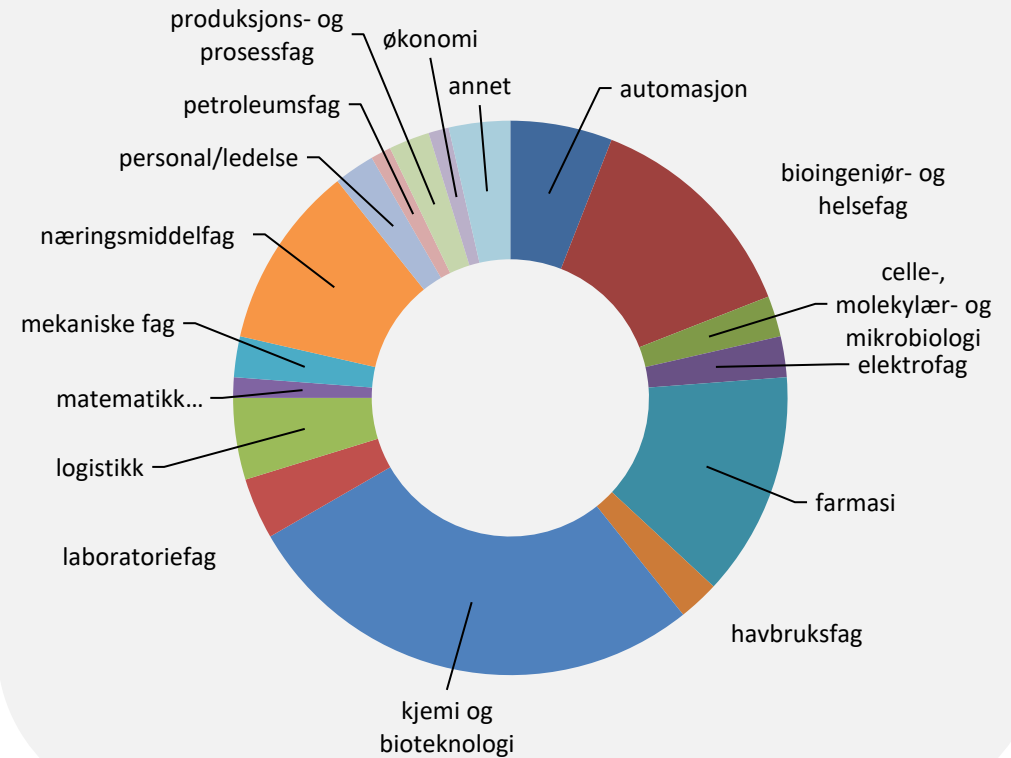


Ansattes bakgrunn og spesialisering v/PHARMAQ Overhalla

Utdanningsnivå



Utdanningsretning/bakgrunn



Verdiskapning, bosetning og jobber langs kysten