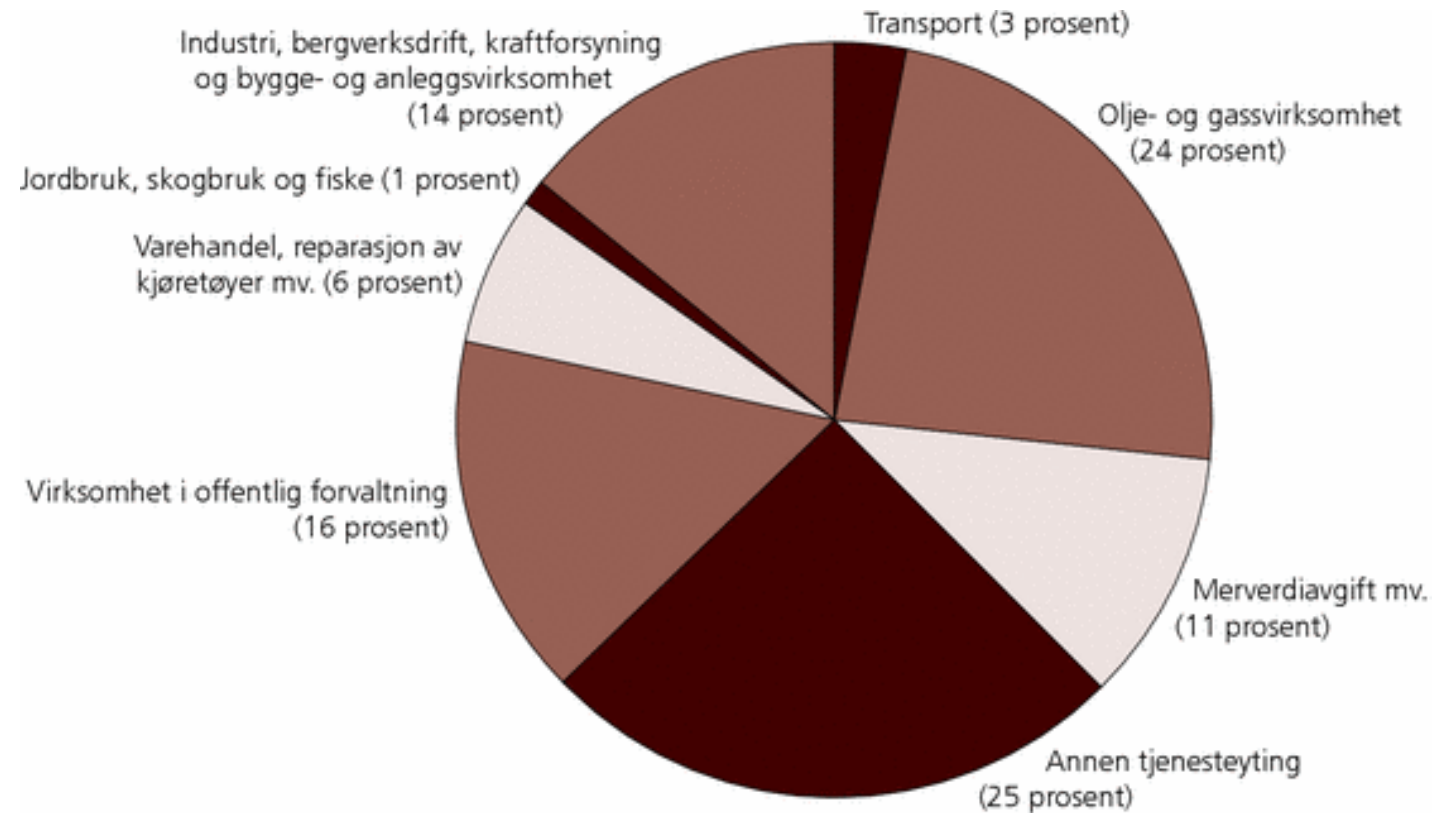


# Computer Aided Design (CAD)

DataAssistert Konstruksjon (DAK)

# Bakgrunn [1]

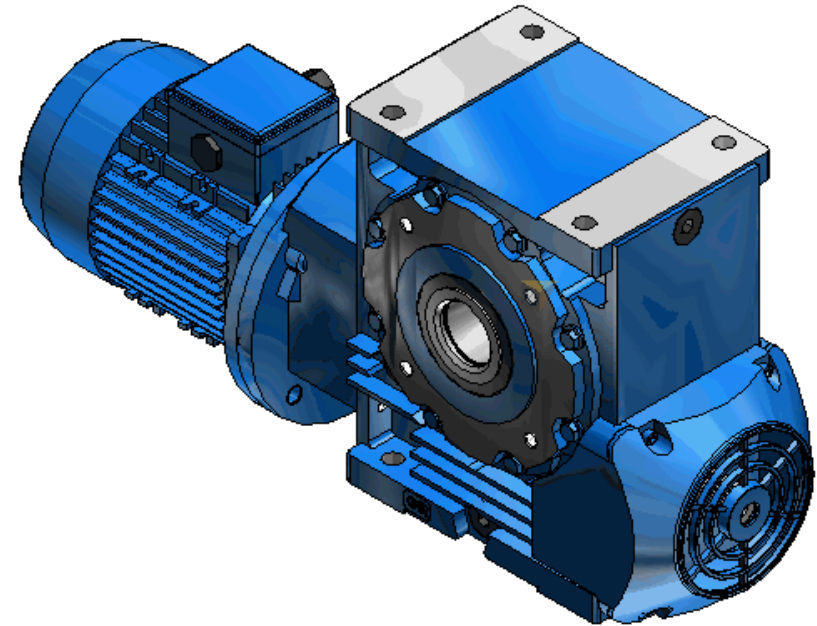
- Produkter og tjenester
- Økonomi



Figur 1. Fordeling av bruttonasjonalprodukt i Norge 2012, etter hovednæring [2].

# Hva er CAD/DAK [3–4]

- 3D-modellering
- Teknisk tegning
- Analyse
- Optimalisering

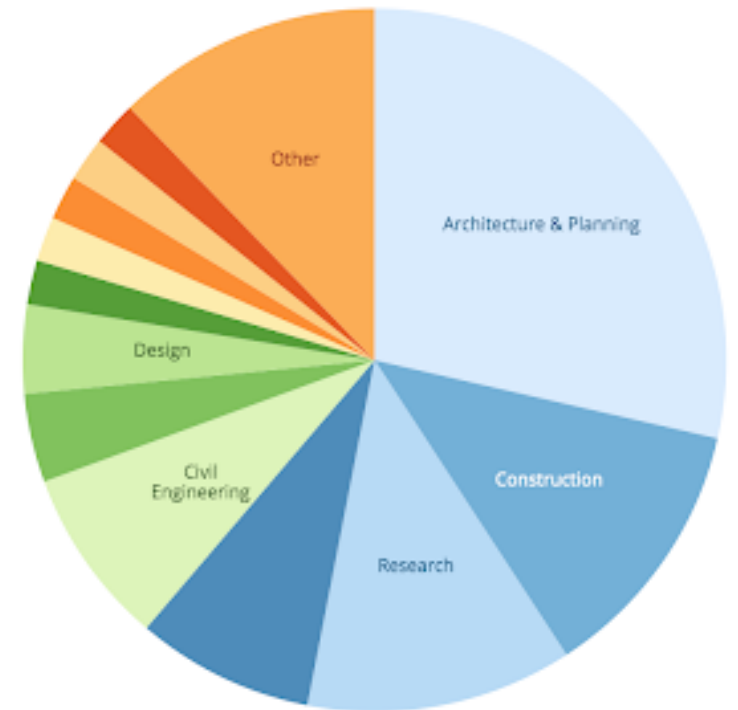


*Figur 1. 3D-modell av elektrisk motor [3].*

# Hvem bruker det [3–4]

- Ingeniører, arkitekter og designere
- Industrier

Architecture & Planning	14	28.6%
Construction	6	12.2%
Research	6	12.2%
Marketing and Advertising	4	8.16%
Civil Engineering	4	8.16%
Facilities Services	2	4.08%
Design	2	4.08%
Government Administration	1	2.04%
Computer & Network Security	1	2.04%
Internet	1	2.04%
Military	1	2.04%
Computer Software	1	2.04%
Other	6	12.2%



Figur 3. Bransjer som benytter CAD/DAK. Mellom 2012 og 2015 [5].

# Hvorfor er det viktig [3–4]

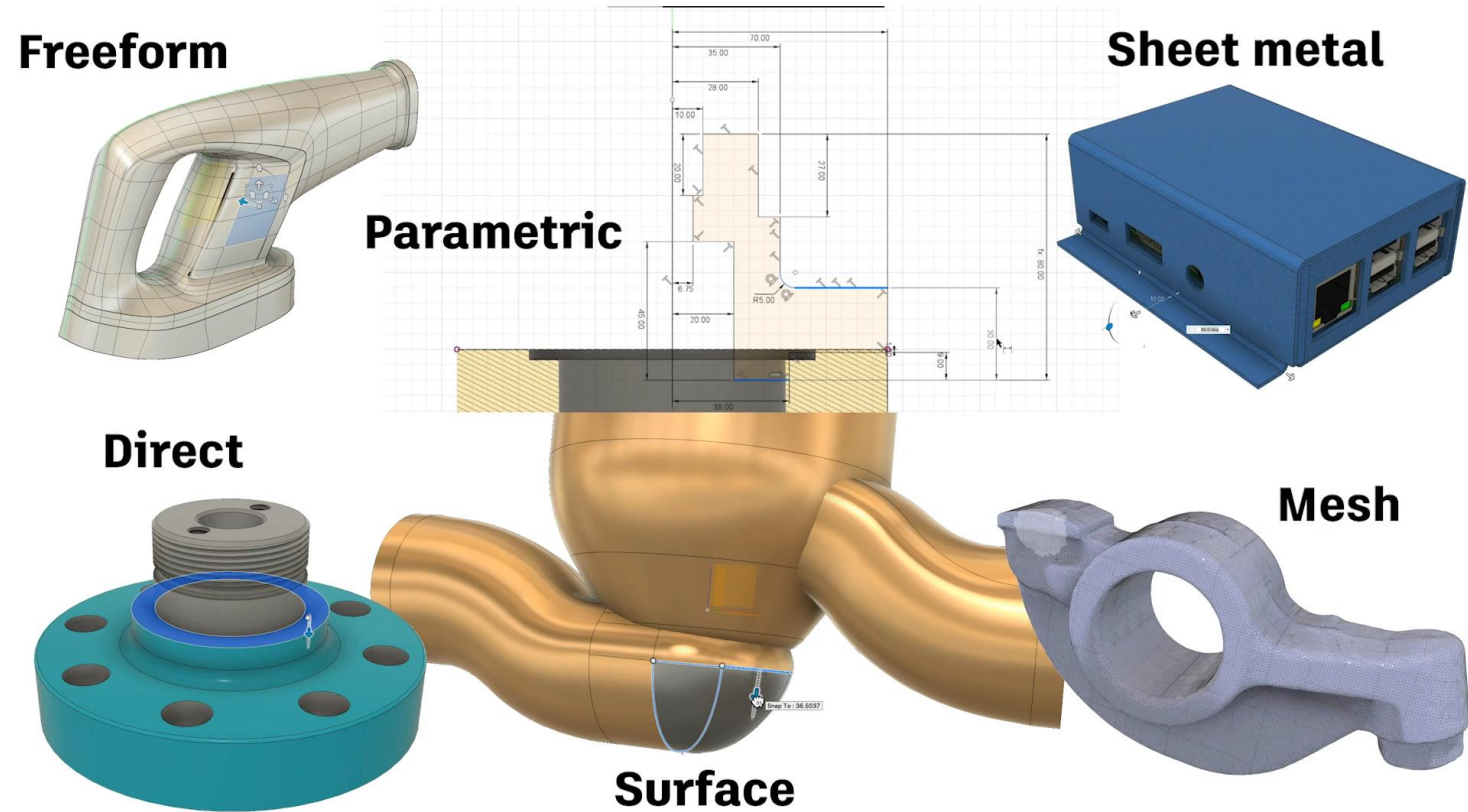
- Produktivitet
- Kvalitet

# Trender [6 – 10]

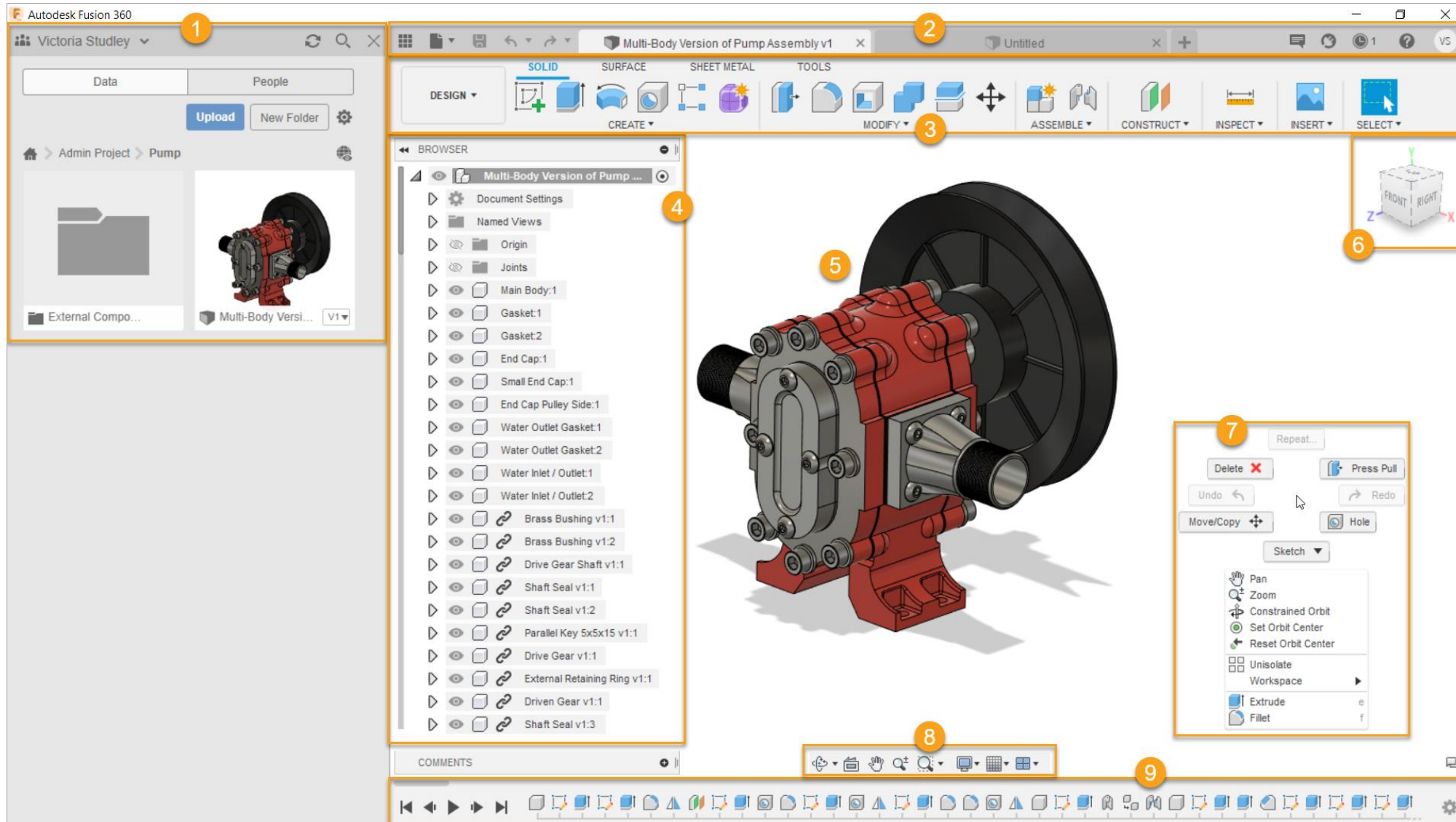
- Generativt design
- Sanntid simulering
- Utvidet virkelighet, IoT-platformer, Digitalisering
- SaaS (Software as a Service)
- Automatisering og personalisering

## Autodesk Fusion 360 [11]

- Hva er det
- Integrert plattform
- 3D-design og modellering



# Autodesk Fusion 360 - Brukergrensesnitt [12]



1 – Data Panel

2 – Application Bar

3 – Toolbar

4 – Browser

5 – Assembly

6 – ViewCube

7 – Marking Menu

8 – Navigation Bar

9 – Timeline



# Videre lesing

- [Fusion 360 introduksjon](#)
- [Fusion 360 dokumentasjon](#)
- [Fusion 360 brukergrensesnitt](#)
- [Fusion 360 forum](#)

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