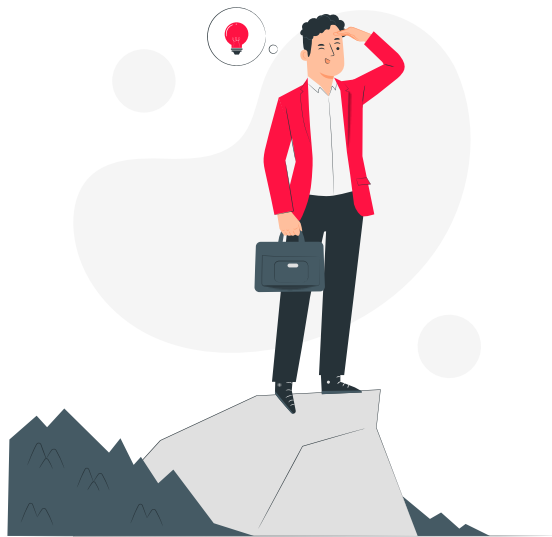


# Equinor's direction for information technology

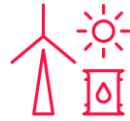
**Release #1**  
January 9, 2023





## What's the purpose?

Change how we use information technology (IT) to learn as a learning organization, be resilient and make faster and better decisions.



## Why?

Equinor is transforming to be a leader in the energy transition in a world with rapid changes in technology and geopolitics. To succeed, we need to adapt fast enough and be prepared for new opportunities and the unexpected.



## What is it?

Equinor's direction for information technology (IT) as a competence and technology area across Equinor, owned by Chief Engineer IT.

lin•des•nes

# Equinor's direction for information technology

## DESIRED BUSINESS OUTCOMES



**Learning and high performing organization**



**Resilient business operations**



**Faster and better decisions**



## HOW TO GET THERE

- We empower teams to learn and deliver business outcome.
- We build a strong security culture.
- We treat data as products: easy to find and utilize to make faster and better decisions.
- We evolve a resilient architecture, prepared for change.
- We automate repetitive tasks and processes.

Our new direction for information technology is inspired by 'Lindesnes', after Norway's first lighthouse. Like lighthouses along the coast, our direction helps Equinor navigate challenging waters, and is a foundation for Equinor's modernization and transformation and our energy transition.



## We empower teams to learn and deliver business outcome

- We give teams complex business problems to solve and outcomes to achieve.
- Trust and empower the *how*.
- Our business and technology work together as a team.
- Trust, openness, respect and curiosity.
- Build products *with* the users.



Image: [forbes.com](https://www.forbes.com)



Example: Monica, Øystein, and Christian are improving safety through data and robotics (Youtube).



## We build a strong security culture

- Security is a teamwork.
- We integrate security into the team's workflow from cradle to grave.
- Security cannot be an afterthought.

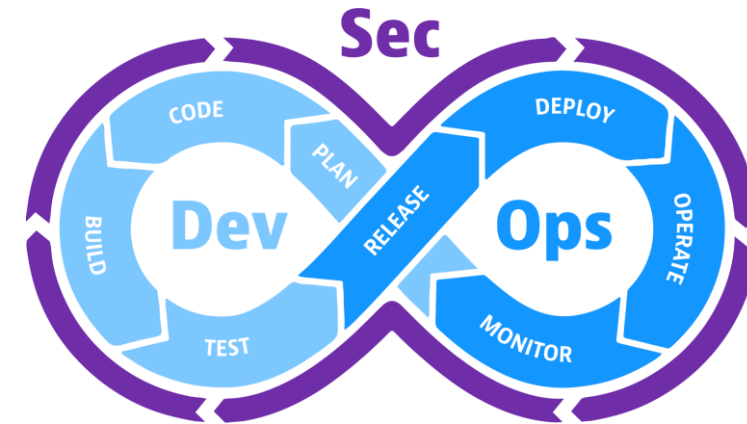
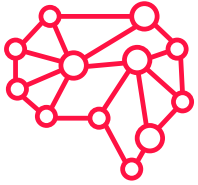


Image: [Dynatrace](#)

## BUILDING SECURITY CHAMPIONS



Image: [we45](#)



## We treat data as products

- Users can quickly discover and use data products to make faster and better decisions in a secure, compliant and trustworthy manner.
- Data Mesh (distributed data ownership, federated governance, self-serve data platform, data as a product).
- An architecture that both overcomes data silos, is adaptable *and* scales.



From a Monolithic Data Lake to a Distributed Data Mesh



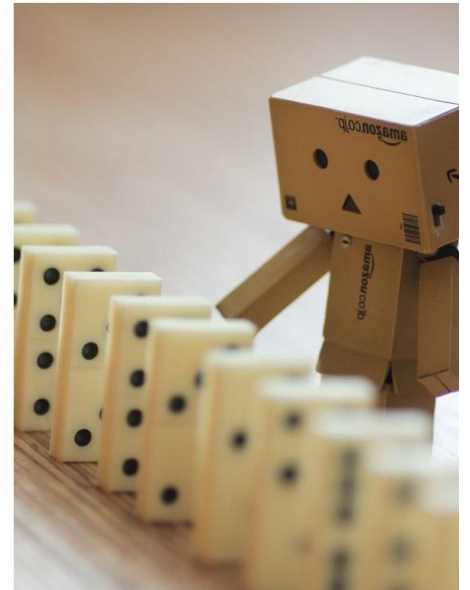
## We evolve a resilient architecture, prepared for changes

- Teams can quickly adapt and deliver business value continuously without waiting for each other.
- Team structure and patterns designed to promote the desired architecture.
- Use platforms as drivers to reduce teams' cognitive load.
- Interoperable products to unlock new ways of working in the industry.

### Loosely-Coupled Architecture

How to get rid of the domino effect

Image: [Radoslaw Maziarka](#)





## We automate repetitive tasks and processes

- We create a work environment taking the robot out of the human where people can do what they love to do and what they are trained to do.
- Automation of operations and governance compliance.

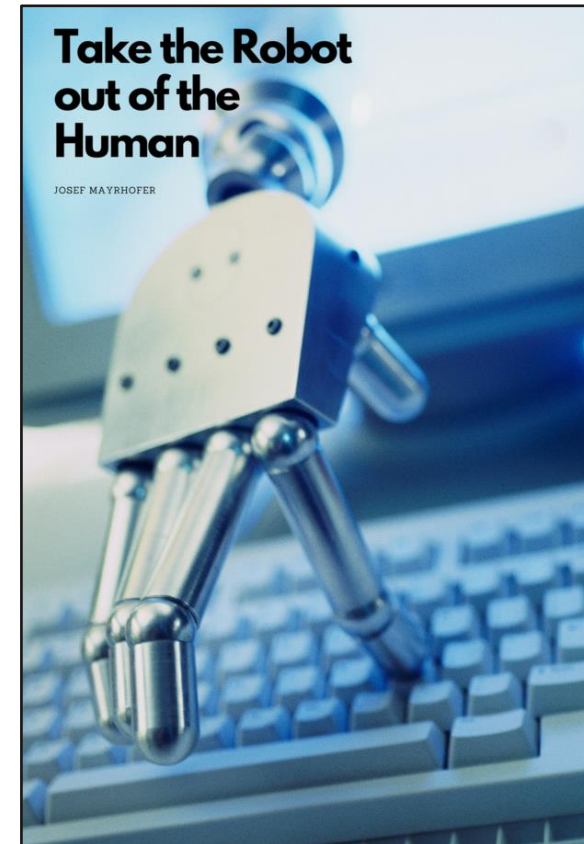


Image: [Leanpub](#)



# Guiding principles

## Desired business outcomes

- 1 Learning and high performing organization
- 2 Resilient business operations
- 3 Faster and better decisions



## People

*Empowered teams learning and working together in making an impact for our business*

1. Build an open and high-trust culture that supports learning and collaboration 1 2
2. Empower teams to deliver business outcome 1 2
3. Optimize team interactions for fast flow aligned around business capabilities 1 2
4. Make solutions collaboratively to act on learning faster than competitors 1
5. Enable, encourage and support citizen development and analytics 1 2 3



## Product delivery

*Deliver secure and compliant products loved by the users quickly, securely and sustainably*

6. Treat security as a first-class citizen 1 2
7. Fund teams based on desired business outcome 1 2
8. Use platforms as drivers to reduce teams' cognitive load 1 2
9. Deliver continuously 1 2
10. Treat your data as products 3
11. Automate operation of solutions 2
12. Automate governance compliance 2



## Architecture

*Resilient architecture giving you both speed, stability and faster insights turned into actions*

13. Make solutions loosely coupled 1 2
14. Make solutions interoperable 2 3
15. Make solutions portable between edge and cloud 2 3
16. Move towards wireless communication 2

# Developing the direction using Design Thinking - not *for* the people, but *with* the people

- ✓ 10 workshops – 600 people
- ✓ 150 presentations to more than 1000 people
- ✓ Community engagement
- ✓ Partner and supplier involvement
- ✓ Open and transparent

Engage with us and more than 500 passionate people at



Learn more about our [methodology, techniques and practices](#) used to design the direction

## Next step: Incubation



### Learning together

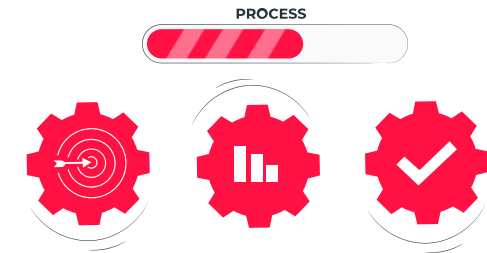
We want to learn, together with early adopters, what it takes to scale this direction, and use the learning to develop a foundation of change across Equinor.



### Creating champions

We want to build cultural momentum through branding, awareness, training, and a network of champions.

Champions share the vision and passion and are able to influence and guide their stakeholders and networks.



### Connecting the dots

We acknowledge and respect that when it comes to business and IT, there are many initiatives and strategies at Equinor.

We want to identify and communicate where the direction for information technology and the others complement and enable each other in the organization and where there are contradictions that we must address.

## Core team



**Steffan Sørenes**  
Advisor IT Architecture



**Patricia T. P. Carrion**  
Senior Analyst IT  
Human-Centered Designer



**Maren Elise Hasselgård**  
Analyst IT Architecture



**Harald Kjøde**  
Lead Analyst IT Architecture



**Morten Somby**  
Chief Engineer IT  
**Product Owner**



**Torbjørn F. Folgerø**  
SVP TDI Enterprise Digital  
**Solution Owner**



**Darren Kearney**  
Head of Cloud Operating Program (COP)  
**Delivery Responsible**

**Thanks for listening, if you have any questions, please contact:**

**Steffan Sørenes**

<https://www.linkedin.com/in/ssorenes/> 