

DigEco

Disruptive transformation in the digital economy

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Disruptive transformation in the digital economy

- Digitalization and new technology allows for radical changes in the **speed**, **scale** and **scope** of economic *activities, transactions, products and services*.
- In the DigEco project we are interested in the disruptive transformation of market and business models that is enabled by digitalization.
- Selection of targeted business sectors: Energy, Finance and Health.
 - Extension to the Manufacturing and Processing Industry



Examples of disruptive changes

- **Energy:** Distributed energy sources, dynamic metering, advanced control systems, communication and decentralized ledger technologies enables active consumers to access markets.
- **Health:** Remote patient monitoring, unified health records/platforms and telemedicine create enormous potential as well as ethical problems.
- **Finance:** Distributed ledger technologies put pressure on one of the main value adding features of financial institutions: third-party-validation.



PhD Students/Projects in DigEco

Energy	Sigurd Bjarghov sigurd.bjarghov@ntnu.no Consumer-Centric Electricity Market Design 	Ahmed Yousif Mohamed Idries ahmed.y.m.idries@ntnu.no Digital Platforms for new Services in the Renewable Energy Area 
Health	Stefan Hochwarter stefan.hochwarter@ntnu.no Design, Implementation and Use of Welfare Technology 	Amia Enam amia.enam@ntnu.no Reconfiguring Service Through Telemedicine Deployment 
Finance	Ahmad Amine Loutfi ahmad.a.loutfi@ntnu.no The Use of Alternative Data and Machine Learning in the Delivery of Financial Services 	

Building blocks in a new disruptive digital transformation programme

