Industry Projects

- Small scale test
- Large scale Joint Industry Project (JIP): expensive development but costs spread over a number of interested parties.
- R&D-D project with SkatteFUNN: business enterprises engaged in research and development activity on their own or in collaboration with others may apply for a tax deduction (SkatteFUNN is administered by Research Council)
- Large scale demonstration projects

National R&D Projects

- KPN Competence Building Projects (2-4 yrs)
  Low TRL, academic lead with industry contribution of 20% cash required. 80% from Research council
- IPN Innovation Projects (1-3 yrs)
  Industry led, bring research up to TRL 5. Minimum 50% cash and in-kind from industry of total costs.

Large Research Centers with several research and industrial partners 160+ Mkr, 5-8 years.
Call I out now/2015 (last call for FMEs in Norway)

Research Council: Programs

- ENERGIX
  Large-scale program for energy research. Calls annually.
- BIA
  Industry Driven Innovation Arena
- IKTPLUSS
  ICT research and Innovation
- RFF
  Regional Research Funds
- Plus many, many others......

International Projects

- H2020 Innovation Action
  High TRL
  Large Projects 6-12M€
  Requires Demos and Implementing

- H2020 Innovation Action
  Low TRL
  Small projects 3-5M€

Project types

- Technology Readiness Levels
  TRL 1. basic principles observed
  TRL 2. technology concept formulated
  TRL 3. experimental proof of concept
  TRL 4. technology validated in lab
  TRL 5. technology validated in relevant environment
  TRL 6. technology demonstrated in relevant environment
  TRL 7. system prototype demonstration in operational environment
  TRL 8. system complete and qualified
  TRL 9. actual system proven in operational environment

Enova (kWh reduction)
Demonstration and market introduction

IFU / OFU
Support for industry to develop new products or solutions

Network funding:
ARENA, NCE, GCE
**Technology Readiness Levels**

<table>
<thead>
<tr>
<th>TRL</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
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</tr>
</tbody>
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**Industry Projects**

- **Small scale test-project**
  - Funded by industry with no/little public co-funding.
- **Large scale Industry Project (JIP):**
  - Expensive development but costs spread over a number of interested parties.
  - "F.eks.: Neste Generasjon Fasit"
- **R&D-D project with SkatteFUNN:**
  - Business enterprises engaged in research and development activity on their own or in collaboration with others may apply for a tax deduction (SkatteFUNN is administered by Research Council)
- **Large scale demonstration projects**

**National R&D Projects**

- **KPN Competence Building Projects (2-4 yrs):**
  - Low TRL, academic lead with industry contribution of 20% cash required. 80% funding from Research council
- **IPN Innovation Projects (1-3 yrs):**
  - Industry led, bring research up to TRL 5. Minimum 50% cash and in-kind from industry.

**Research Council: Programs**

- **ENERGIX**
  - Large-scale program for energy research. Calls annually.
  - "F.eks. ProSMART (neste gen. Vern)"
  - "Man kan også søke om SkatteFUNN ved tilslag i Energix for IPN eller KPN eller FME"
- **F.eks. IPN: Feil og avvikshåntering**
- **F.eks. IPN: FlexNet, DeVID**

**International Projects**

- **Enova (kWh reduction):**
  - Demonstration and market introduction
- **H2020: Funding from the EU Commission:**
  - **H2020 Innovation Action (High TRL, 5-7, Large Projects 6-12M€):**
    - Requires Demos and Implementing
  - **H2020 Research and Innovation Action (Low TRL, 2-4 Small projects 3-5M€):**
    - Network funding: ARENA, NCE, GCE