

Idé og synpunkter på den nordiska mobiliteten

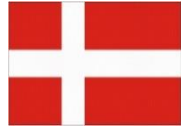
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Dean, School of Engineering and Natural Sciences,

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NORDTEK

- A network between the Rectors/Deans of the Technical Universities in the Nordic countries
- **More than 70 years of Nordic University cooperation**
- **27 member Universities**
- **Representing more than 120.000 Students, Teachers and Researchers.**



- Technical University of Denmark
- University of Southern Denmark
- Aarhus University
- Alborg University



- Aalto University
- Åbo Akademi University
- Lappeenranta University of Technology
- University of Turku
- University of Oulu
- University of Vaasa
- Tampere University of Technology



- University of Iceland
- Reykjavik University



- Agder University
- Norwegian University of Science and Technology
- University of Stavanger
- University of Tromsø



- Chalmers University of Technology
- Blekinge Institute of Technology
- Karlstad University
- Linköping University
- Luleå University of Technology
- Lund University
- Mid Sweden University
- Royal Institute of Technology
- Umeå University
- Uppsala University

NORDTEK

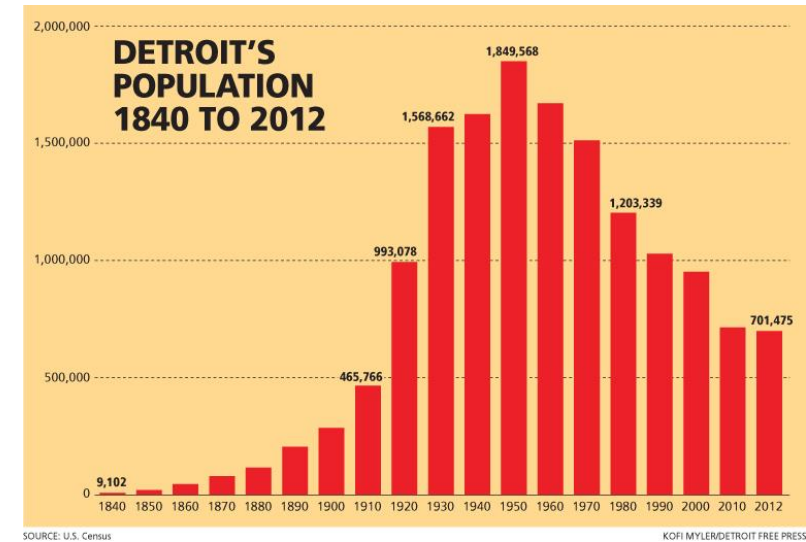
AIM & OBJECTIVES

NORDTEK shall through **exchange** of experience , **collaboration** and **cooperation** :

- Develop the member schools comparative strength.
- Maintain and strengthen the international position of Nordic Advance engineering education
- Maintain and strengthen the international position of the Nordic engineering research and research education.
- Enforce the youth interest to study advanced engineering.

and

- 1) At this point, the city of Detroit owes money [to more than 100,000 creditors](#).
- 2) Detroit is facing [\\$20 billion](#) in debt and unfunded liabilities. That breaks down to more than \$25,000 per resident.
- 3) Back in 1960, the city of Detroit actually had the [highest per-capita income](#) in the entire nation.
- 4) In 1950, there were [about 296,000](#) manufacturing jobs in Detroit. Today, there are [less than 27,000](#).
- 5) Between [December 2000 and December 2010](#), 48 percent of the manufacturing jobs in the state of Michigan were lost.
- 6) There are lots of houses available for sale in Detroit [right now](#) for \$500 or less.
- 7) At this point, there are approximately [78,000 abandoned homes](#) in the city.
- 8) About [one-third](#) of Detroit's 140 square miles is either vacant or derelict.
- 9) An astounding [47 percent](#) of the residents of the city of Detroit are functionally illiterate.
- 10) [Less than half](#) of the residents of Detroit over the age of 16 are working at this point.
- 11) If you can believe it, [60 percent](#) of all children in the city of Detroit are living in poverty.
- 12) [Detroit was once the fourth-largest city in the United States, but over the past 60 years the population of Detroit has fallen by 63 percent.](#)
- 13) The city of Detroit is now very heavily dependent on the tax revenue it pulls in from the casinos in the city. Right now, Detroit is bringing in [about 11 million dollars a month](#) in tax revenue from the casinos.
- 14) There are [70](#) "Superfund" hazardous waste sites in Detroit.
- 15) [40 percent](#) of the street lights do not work.
- 16) Only [about a third](#) of the ambulances are running.
- 17) Some ambulances in the city of Detroit have been used for so long that they have [more than 250,000 miles](#) on them.
- 18) [Two-thirds](#) of the parks in the city of Detroit have been permanently closed down since 2008.
- 19) The size of the police force in Detroit has been cut [by about 40 percent](#) over the past decade.
- 20) When you call the police in Detroit, it takes them an average of [58 minutes](#) to respond.
- 21) Due to budget cutbacks, most police stations in Detroit are now closed to the public [for 16 hours a day](#).
- 22) The violent crime rate in Detroit is [five times higher](#) than the national average.
- 23) The murder rate in Detroit is [11 times higher](#) than it is in New York City.
- 24) The unemployment rate in Detroit is [16 percent](#) higher than it is in New York City.



25 Facts About the Fall of Detroit
 By [Steve Robinson](#)
 on
 July 22, 2013

Situation of engineers mobility

| Hierarchical levels and stages of working life | Inbound | Outbound |
|--|---------|----------|
| Faculty members and Univ. teachers | X | X |
| Researchers | X | X |
| Administrators, Managers and Directors | X | X |
| Active professional | Y | Y |
| Students under and post grads | Æ | X |
| Student interns | Æ | Æ |
| Continuous education and re-education | Æ | Æ |
| End of carrier and semi retirement | Æ | Æ |

X scaleable practice

Y practice but not scaleable

Æ no existing practice

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Nordic engineering student internship

- Prepare a program among the universities and industry to facilitate engineering student internship in the Nordic
- Prepare for receiving engineering students from other parts of the world
- Identify and map out practice of excellence in fields where industry and universities are setting standards
- Build an accreditation system in accordance with other countries involving the professional associations

Continuous and Re-education program for Nordic engineers

- Identify and map out practice of excellence in fields where industry and universities are setting standards
- On the initiative of the professional association the technical universities build a common system in the Nordic countries of continuous education in the region
- Re educating and training engineers for different deployment based on needs of industry and expectations of the professionals
- Programs could be used for collaborations with other global regions

External influence

- Interests in the Nordic
- High expectation from Nordic initiative
- Swing from European emphasis in collaboration to a Nordic driven
- Common Nordic effort towards a global effort and collaboration in other regions