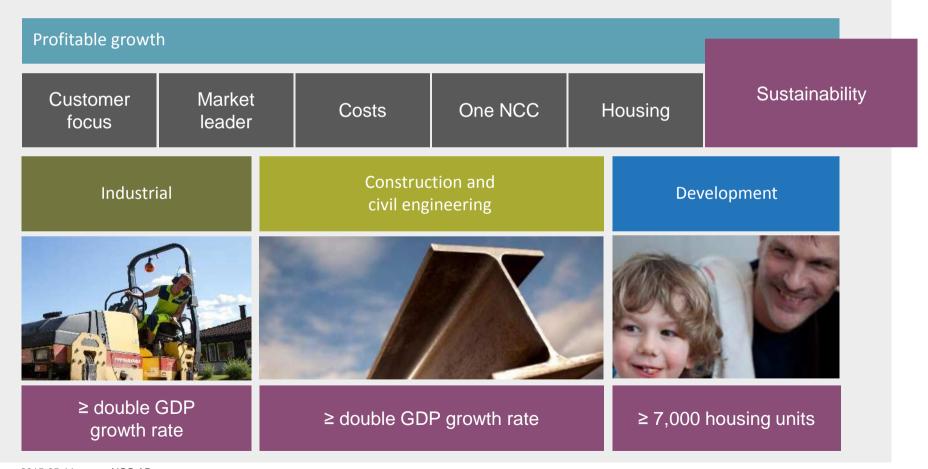






### Strategy 2012-2015









#### "GEO5 – Outlook 2013 Environmental trends"

- Greenhouse gas emissions are projected to double in the next 50 years
- Severe weather conditions will increase
- Land requirements for urban use will increase
- Reduced availability of water
- Increased water pollution
- · Continued depletion of biodiversity
- Increased chemical exposure
- The waste stream increases





# Increased demand/market value for:

- sustainable infrastructure and buildings, climateresilient structures including refurbishment
- storm-damage repair/reconstruction
- energy efficiency retrofits and technologies
- renewable, recycled, and resource-efficient materials and processes
- green buildings
- workforce skilled in sustainable design and construction
- Reputational benefit associated with green design and construction certifications

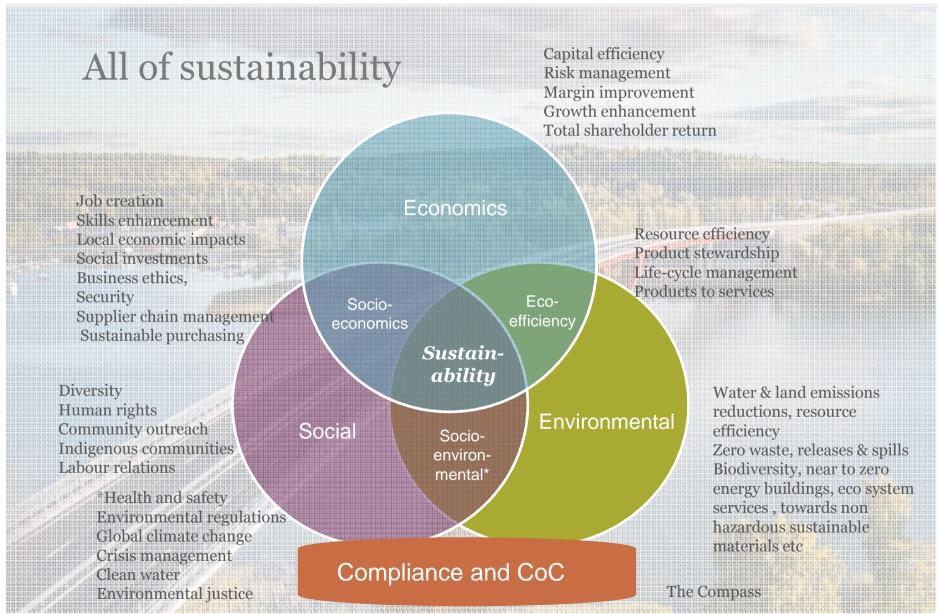




## Increased focus on social responsibility











2015-05-11

NCC AB

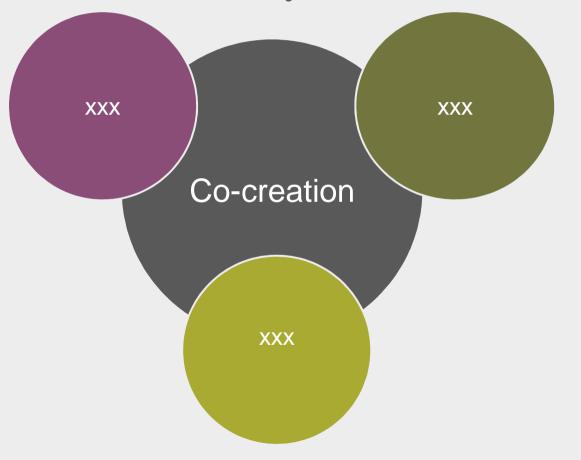


# Fueling asphalt plants using wood pellets





Transdisciplinary work is demanded today.









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#### **Conclusions:**



- Elaborate on the role of the university in society?
  Transformation role:
- See to that KTH prepare students for interaction with other disciplines already during the education
- Let your students then practice collaboration with other competences- expose to diversity through out the education
- Take advantage of campus as an "Open lab" that is close to real situations and collaborate across disciplines.
- Teach tools for taking different perspectives( customer, consumer, stakeholder, partner)
- Companies should be engouraged to take on students for practise preferably not only in the summer time.





Transdisciplinary collaboration is the necessary key to success!

