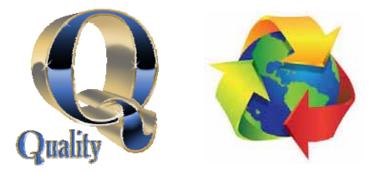


## On the Relationship between Quality and Sustainability

International Academy for Quality Conference Budapest 2015-10-26—27

Prof. Mats Deleryd, Mälardalen University Sweden, Volvo Group Prof. Anders Fundin, Mälardalen University Sweden





**SUSTAINABILITY** = "Meeting the needs of the present without compromising the ability of future generations to meet their own needs." (World Commission on Environment and Development 1987)

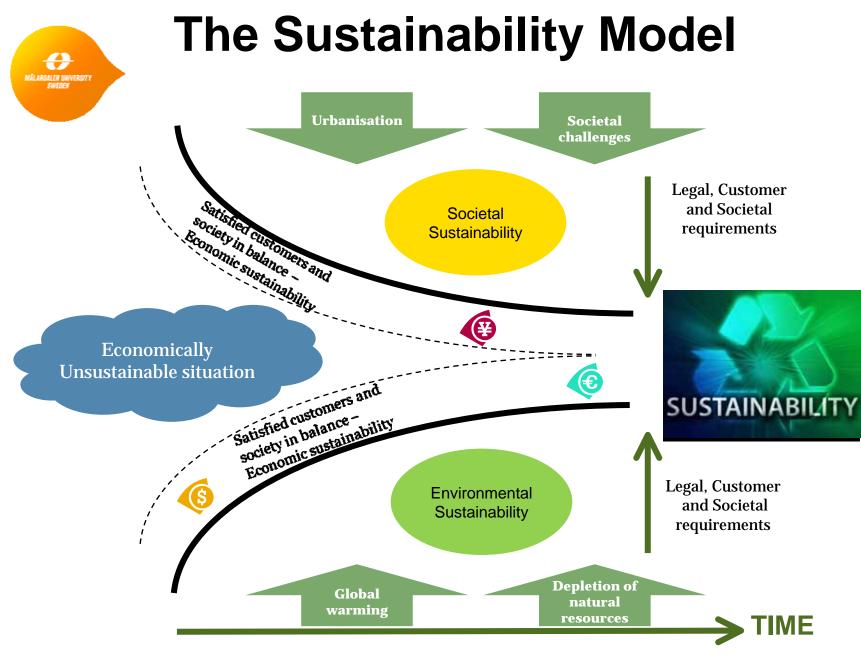




-1600 century	- 1760	1760 - 1840 - 1945	1945 - Today	Tomorrow
		(Industrial revolution)	istom.	
Quality	Quality	Quality	Quality	Quality
"Do it yourself"	"Specialisation" "Filing and fitting"	"Meeting specifications, mass-production, interchangeability"	"Total Quality Management" "Customer Satisfaction"	"Societal Satisfaction"

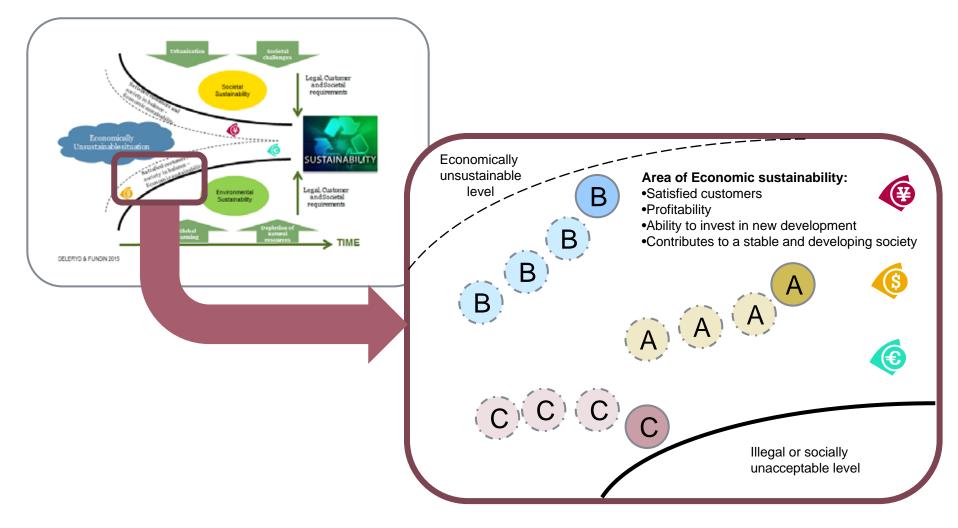
DELERYD & FUNDIN 2015





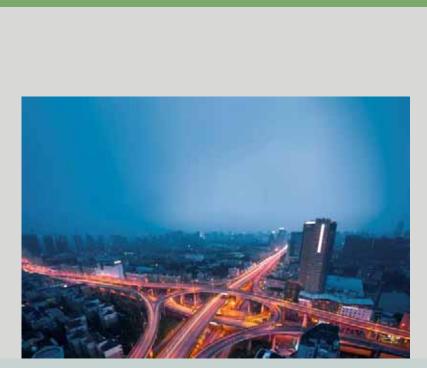


## The leader in the "Sustainability race" will be the market leader and most profitable





## **EXAMPLE:** Sustainability in the Transportation and Infrastructure Industry



**BENEFITS** 

Optimizing societal transportation solutions

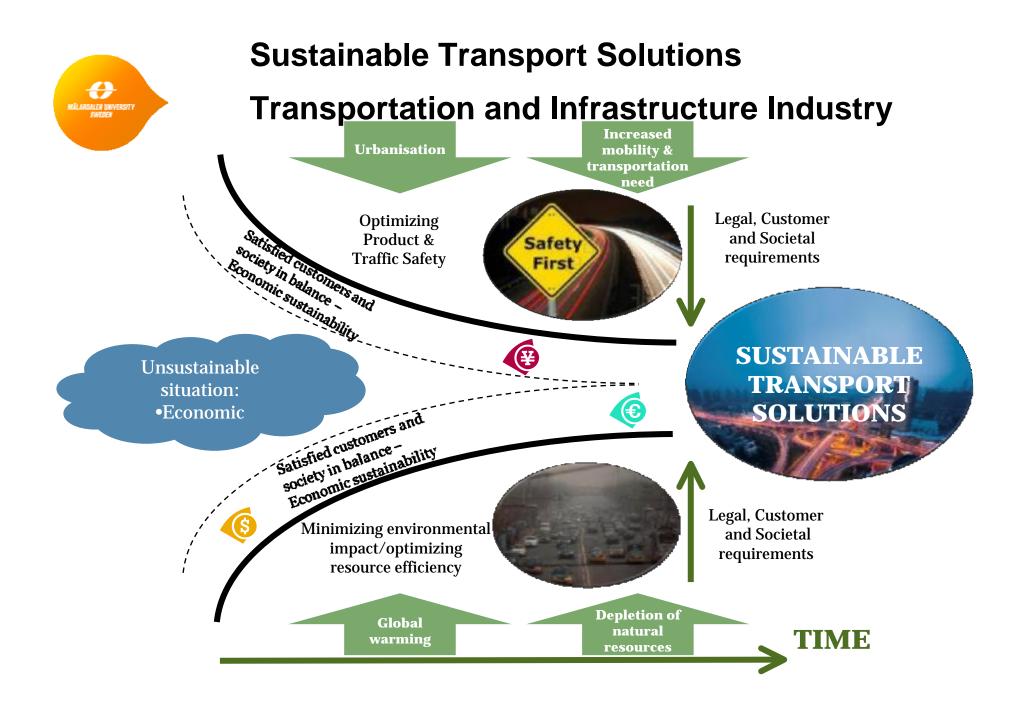


CHALLENGES

Minimizing environmental impactoptimizing resource efficiency



Maximizing Product & Traffic Safety





## SUMMARY - On the Relationship between Quality and Sustainability

- Sustainability is most often defined in the three areas of Environmental-, Social- and Economic Sustainability.
- There is a strong relationship between Quality and Economic Sustainability. Having satisfied customers is the platform for sustainability and growth.
- The modern definition of Quality is transforming from "Customer satisfaction" to "Societal satisfaction".
- The leader in the "Sustainability race" will be the market leader and most profitable and successful.

