# ROTTERDAM SCHOOL OF MANAGEMENT ERASMUS UNIVERSITY

#### DEPARTMENT OF STRATEGIC MANAGEMENT & ENTREPRENEURSHIP

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# UAV Industry Development: Prospects for the Future









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The business school that thinks and lives in the future



## CHRISTMAS 2026?







#### **UAV EVERYWHERE**











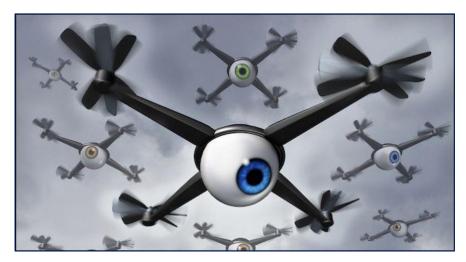






#### THE CURRENT SITUATION IN US AND EUROPE IS CHALLENGING

- Restrictions due to legislation, safety, privacy issues.
- ★ Technical challenges.
- ★ Entrepreneurial challenges!





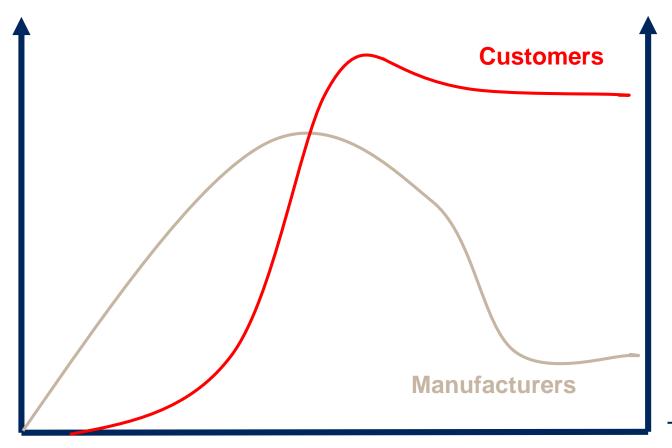






### WHEN WILL CONSOLIDATION COME?

Number of manufacturers in the marketplace



Number of customers in the marketplace

Time

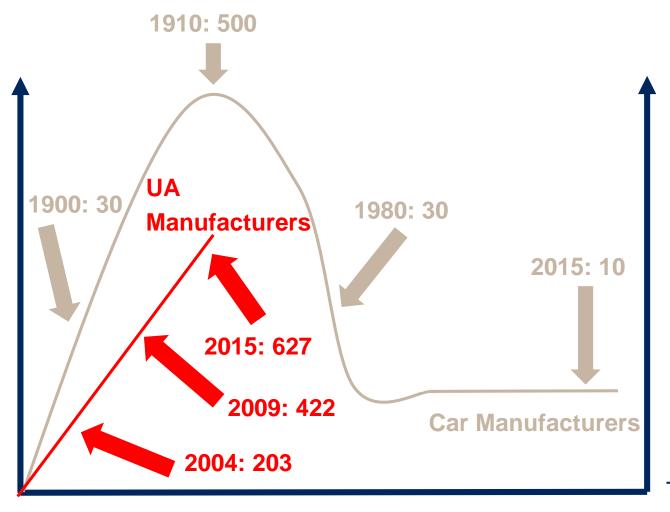




### CARS AND UAV, SIMILAR IN THEIR DEVELOPMENT?

Number of global

CAR manufacturers
in the marketplace



Number of **UA**manufacturers in
the marketplace

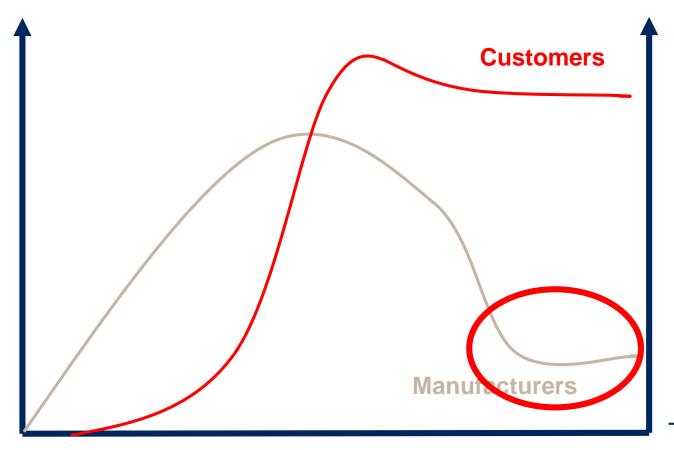
Time





#### WHEN A DOMINANT MODEL EMERGES

Number of manufacturers in the marketplace



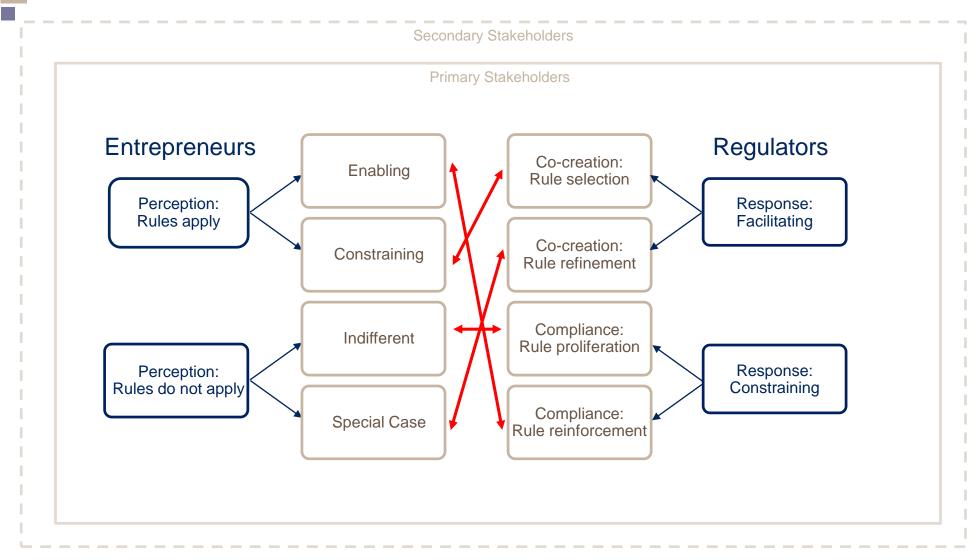
Number of customers in the marketplace

Time





#### THE PROCESS OF SHAPING THE CONTEXT







#### IMPLICATIONS FOR MOBILITY AND INFRASTRUCTURE

- In comparison to other industries: development process a lot quicker!
- Mot only technology, but also regulatory framework.

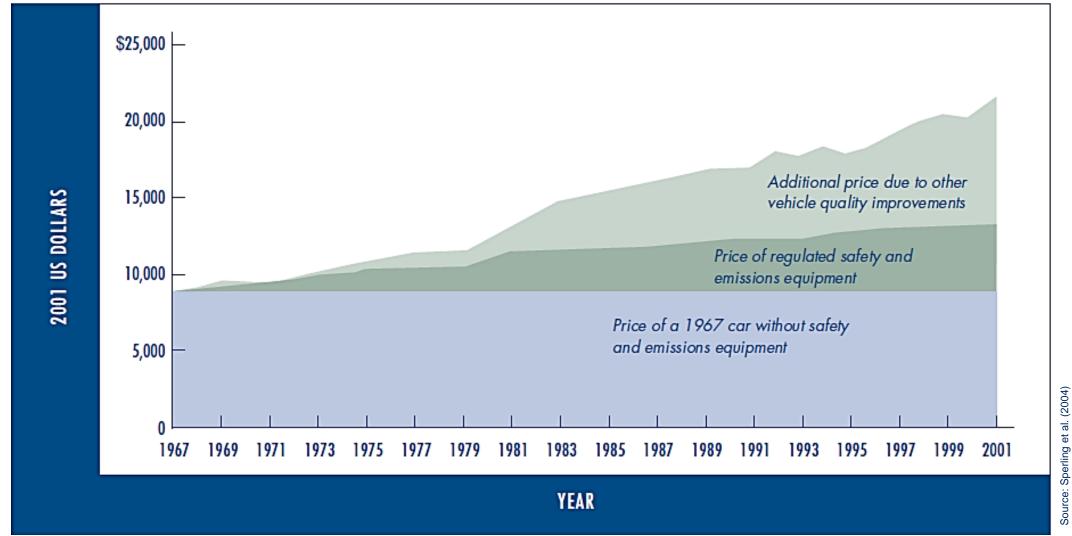
- Emergence of dominant design in car industry: based on market demand.







#### FUTURE CHALLENGE: INCREASING PRICES?



Regulatory-induced costs in the price of cars, 1967–2001





# THANK YOU FOR YOUR ATTENTION!

Your input is highly valued!

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#### SOURCES (TEXT)

#### **TEXT**

- Sperling, D., et al. (2004). The Price of Regulation. ACCESS Magazine, 1(25), 9-18. UC Berkeley: University of California Transportation Center.
- UVS International (2015). RPAS Yearbook, The Global Perspective 2015/1016, 13th Annual Edition.
- Vollmer, T., & Cirulies, N. (2009). Globalität und Interkulturalität als integrale Bestandteile beruflicher Bildung für eine nachhaltige Entwicklung–Band B2–Industrielle Produktion–Automobilindustrie (Sektoranalyse).

#### **PHOTOS**

Slide 1 (and header):

- https://news.transport.gov.mt/wp-content/uploads/2015/02/fotolia\_63026982\_xl-768x576.jpg Slide 2:
- http://media.cmgdigital.com/shared/img/photos/2013/12/11/2f/80/cb120213dAPR.jpg Slide 3:
- 🚼 Own photographs (K. Smolka)

#### Slide 5:

- ★ https://cdn.staticeconomist.com/sites/default/files/images/2016/04/blogs/gulliver/20160423\_blp501.jpg
- http://www.howtogeek.com/wp content/uploads/2015/03/ximg\_5515b2f82cb7e.jpg.pagespeed.gp+jp+jw+pj+js+rj+rp+rw+ri+cp+md.ic.
   J8R7QgP6-U.jpg
- ★ https://assets.bwbx.io/images/users/iqjWHBFdfxIU/i872hNADtB4s/v2/-1x-1.jpg
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