

NiHub – Nordic Intelligent Truck Hub

Stockholm, 2014-02-06



Project overview

Fundamental question project expected to answer:

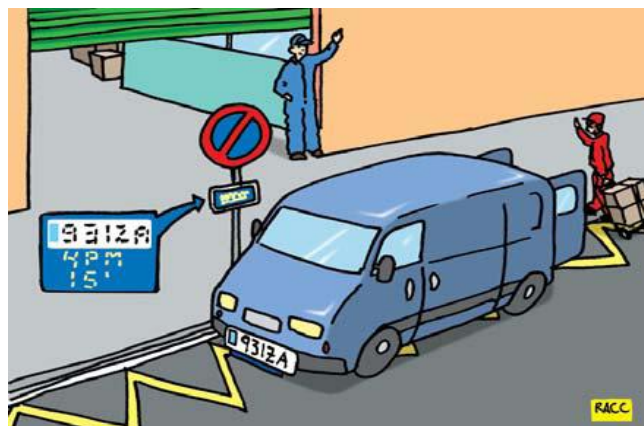
“How to relieve urban networks from heavy trucks by exploring the synergies of a combination of intelligent services for truck parking (ITP) and urban consolidation centre (UCC)? ”

Partners:

Sweden: Sweco, Swedish Transport Administration, City of Stockholm

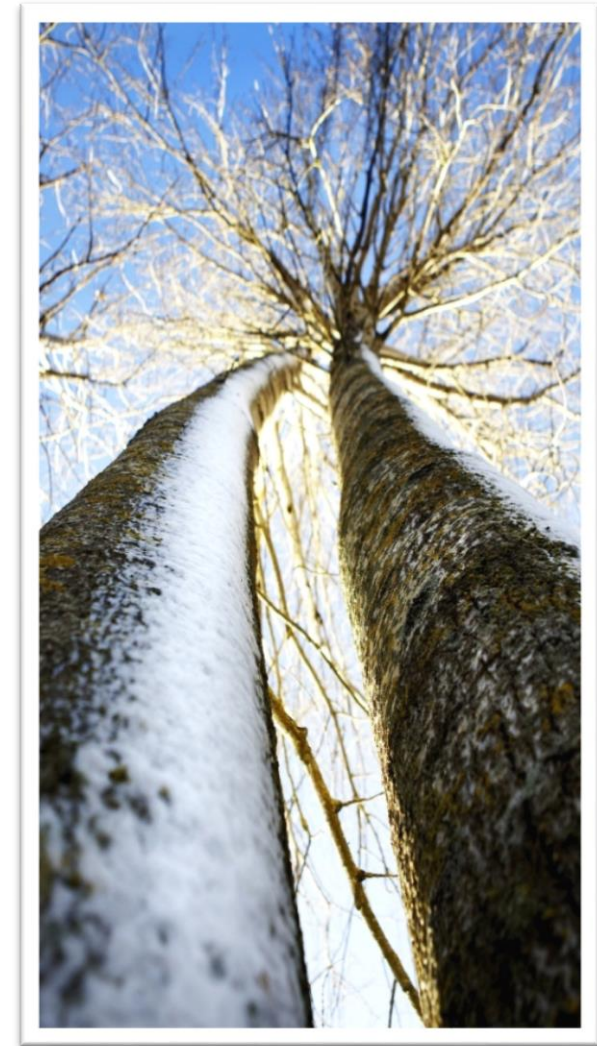
Norway: SINTEF Transport Research, City of Oslo

Finland: Traficon Ltd, Helsinki Regional Transport Authority



NiHub synergies

- Land used more efficient
 - ✓ Transshipment peak levels at day time - night time for parking
- One investment and upkeep cost for technical and administrative systems
 - ✓ Security, surveillance, fence, entrance/exit, occupancy
- Reduced maintaince cost for staff, marketing and ITS Services
- One interface for end used across Europé!
- Increased possibilities for financial support
 - ✓ Value added services



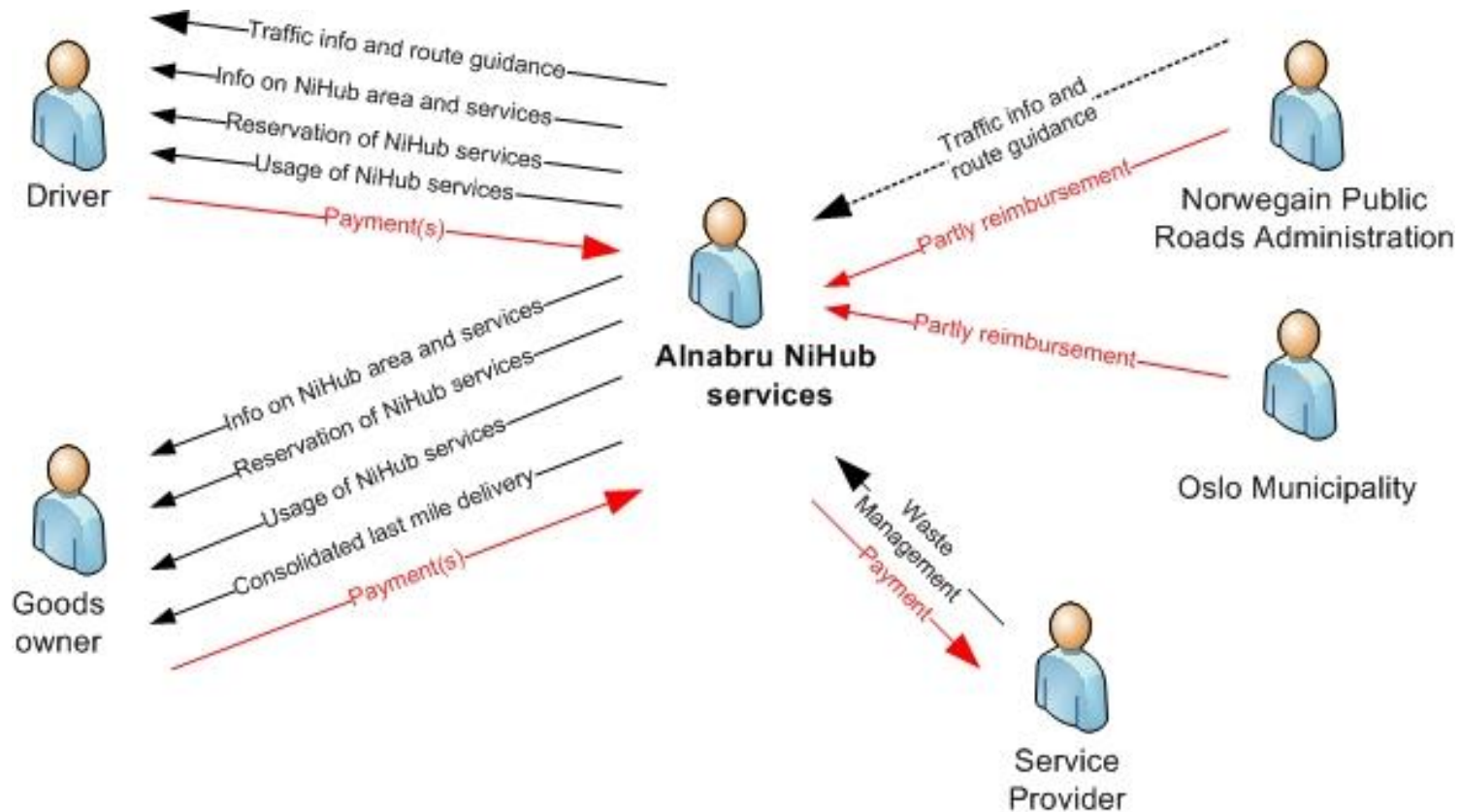
Conclusions from 3 test sites

- Location of a NiHub is important and sets limits to the potential
 - ✓ too far from city: no economy in consolidation
 - ✓ too close to city: not ideal for truck parking
- Public authorities are key players. Supportive actions (investment) needed
- Business case unclear for private actor!
- NiHub concept has potential for energy savings
 - ✓ Big reduction potential in CO2 emissions
 - ✓ Consolidation create less traffic
 - ✓ Last mile delivery by environmental friendly vehicles
 - ✓ Reduced search for parking



The NiHub business model

Based on Osterwalder's canvas business model + ARKTRANS



Model should be applied on existing terminal- best chance of success!