



# **View on Smart Specialisation: BSR Manufacturing Belt**

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# Who are we?

## Tampere Region

- ✓ 2nd largest economic region in Finland
- ✓ Center of Finnish industry and Intelligent Machines
  - ✓ Over 150 years of history and cumulated manufacturing competence in metal industry.
- ✓ World class research and university-industry collaboration
- ✓ Responsible in the national INKA programme for **Smart Cities** and **Industrial Reform**

## European Manufacturing Industry

- ✓ Driving Force of the European Economy



EC President José Manuel Barroso: ***"Manufacturing Industry is important for Europe"***

- 230 000 companies
- 35 million direct jobs
- 75 million in R&D investments



Technology industry

Companies	>1 000
R&D investments	>750 M€

**Regions are drivers for sustainability and growth!**



30+ years' experience in manufacturing



TAMPERE

UNIVERSITY OF TECHNOLOGY

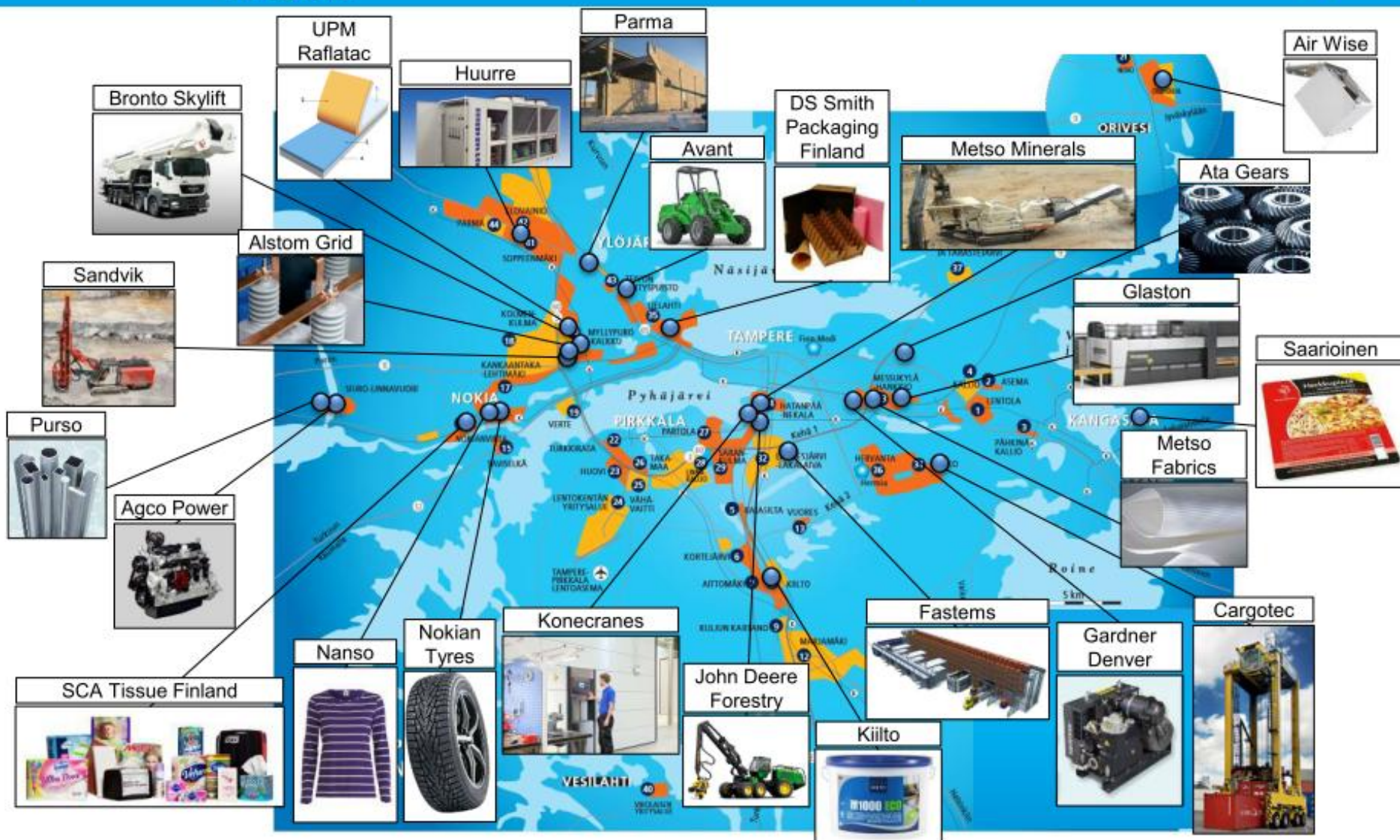
S3 in Malmö 7. Nov. 2013



All  
Bright!

TAMPERE  
FINLAND

# Examples of Manufacturing Companies and Products in Tampere Central Region



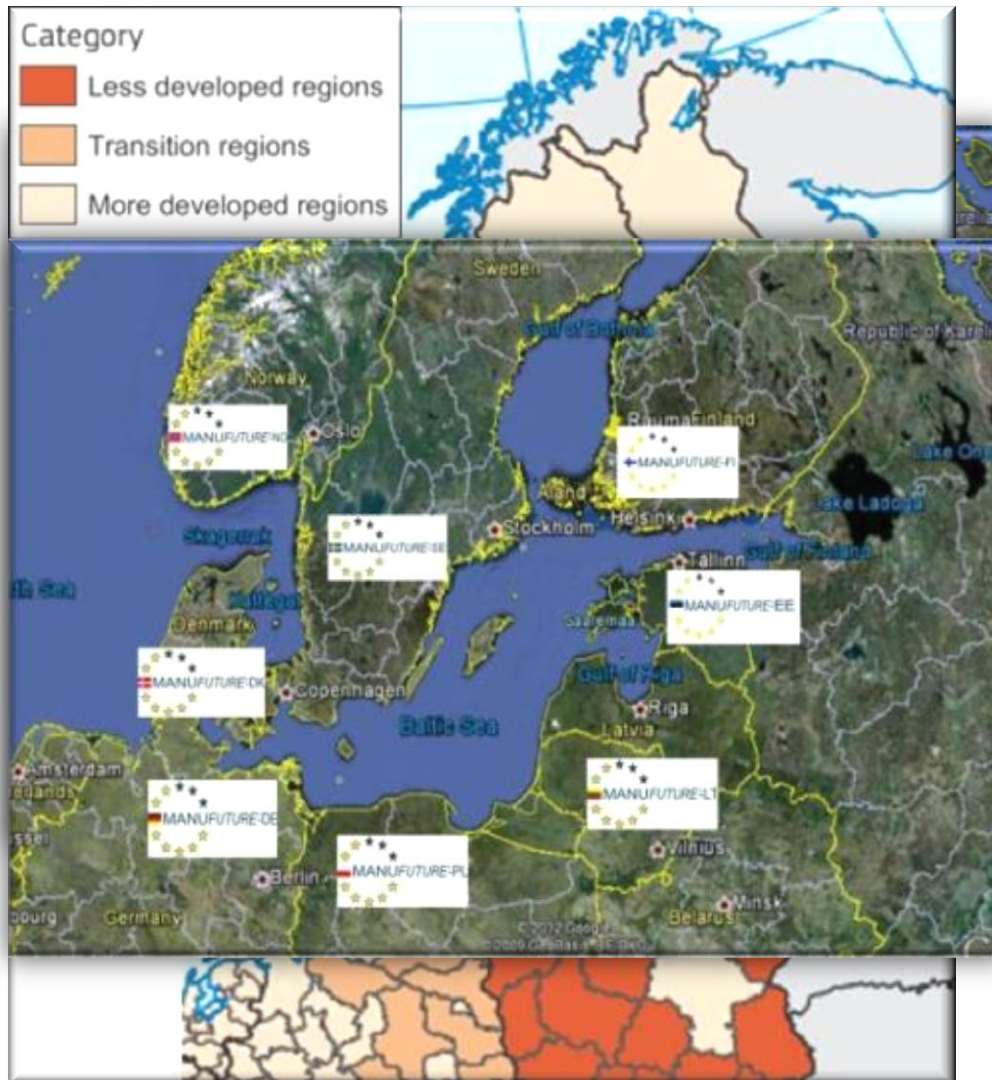


# **The Challenge and WHY collaborate?**





# Initiative: BSR Manufacturing Belt



## The Baltic Sea Region:

- BSR covers approx. 2.4 million km<sup>2</sup> - almost half of the EU
- Population of 150 million amounts to 30% of EU
- Gateway to Russia and Arctic Northern Sea Route
- Mixture of leading high-tech countries/ regions and developing regions/countries
- **National Manufuture Platform already in 8 BSR countries**

# EU Strategy for the Baltic Sea Region -EUSBSR

## 1st macro-regional strategy 2009

- 4 pillars
- 15 priority areas (PA), incl.
  - PA INNO -Research and Innovation
    - 5 flagship projects
  - PA Entrepreneurship, SMEs and human resources
    - 8 flagship projects

- BSR Stars -Develop a Baltic Sea Region Programme for Innovation, Clusters and SME-Networks

- 
- SPIN –Sustainable Production through Innovation in SMEs
- Make the Baltic Sea an eco-efficient region
- The Baltic Sea Labour Network

Results of earlier work under the EUSBSR are valuable for the BSR Manufacturing Belt Initiative



# BSR Manufacturing Belt in a Nutshell

**BSR Manufacturing Belt is aligned with**

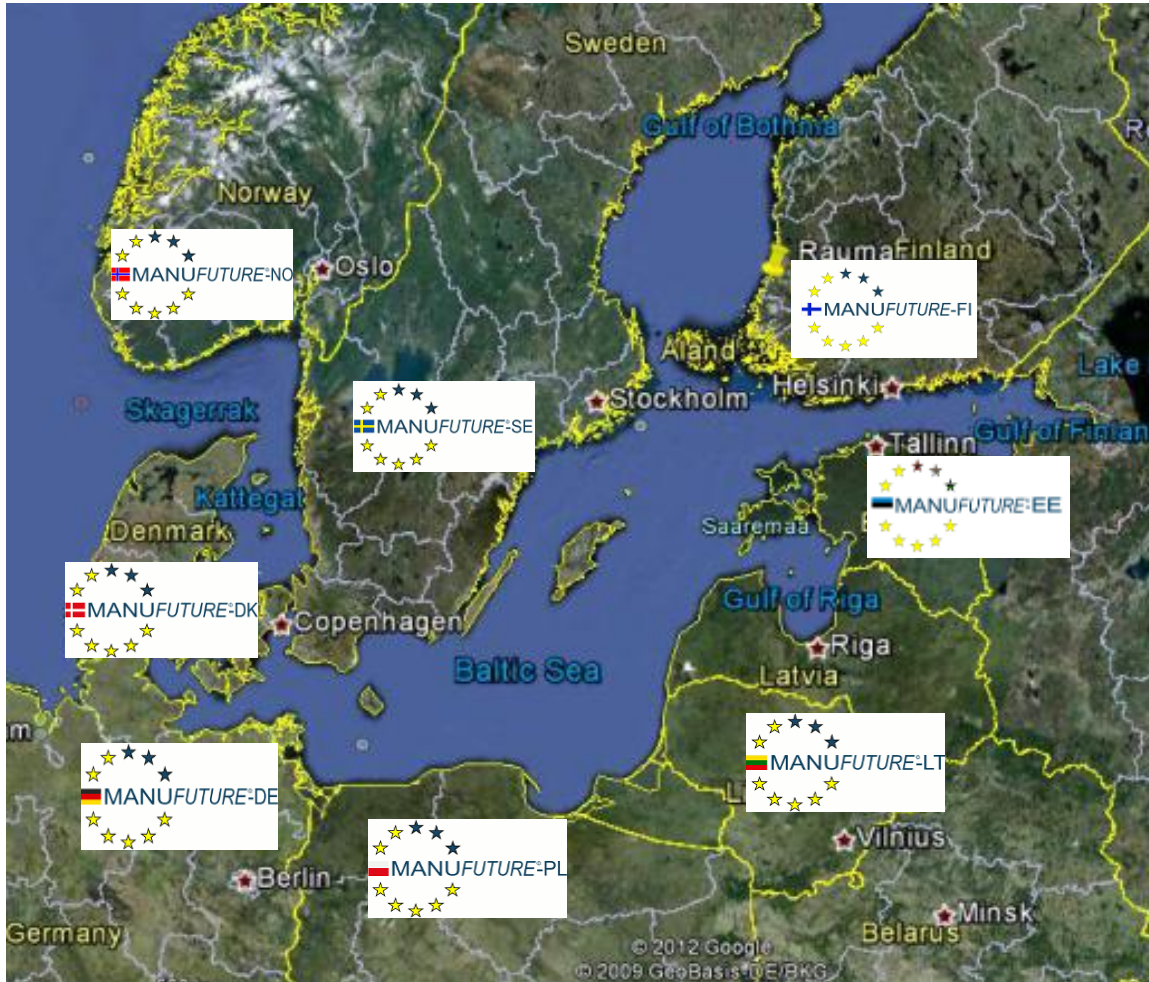
- ✓ **Horizon 2020**
- ✓ **EU Cohesion Policy 2014-2020**
- ✓ **BSR Strategy (Objective 'Increase Prosperity')**

**BSR Manufacturing Belt develops from macro-regional smart specialisation perspective the manufacturing basis and competitiveness in the BSR region to a new level so that the region becomes more attractive for private investments in manufacturing all over the region**





# Who will be involved?



- Manufacture NRTPs in BSR countries
- Stakeholders:
  - Universities and higher education institutions
  - Local industries (different industry sectors)
  - Research and technology centres
  - Development and innovation agencies
  - Public and regional authorities
- Governance at regional, national, BSR and EU level



# BSR Manufacturing Belt

## -Smart Specialization and attractiveness for private investments

- ✓ The region itself is already a **significant internal market for SMEs** where they can take the first steps in internationalization
- ✓ Through joint projects combining Horizon and structural funds, and enabled large-scale pilot actions and demonstration activities, test beds and living labs, prototyping and product validation in pilot lines, the **region becomes really attractive for private R&I investments** in manufacturing.
- ✓ **New developed business concepts** like the **CSM-Hotel Concept** offer SMEs of the region a unique and firm basis for achieving competitive advantage in manufacturing
- ✓ Compared to road transport the **Baltic Sea offers unique environment friendly, cheap and efficient transportation of large and heavy steel constructions and machinery** within the supply network and to the market place. **Container-based sea transportation** has also huge growth potential in many industrial sectors.



# Summary and Next Steps





# Milestones so far

## Own contributions

- 2012 May-June: -Discussions with **DG Research & Innovation**
- 2012 July: -Discussions with **DG Regio**
- 2012 October: -**Manufuture NRTP** meeting, Stuttgart
- 2012 November: -**Manufuture HLG** meeting, Esslingen  
-BSR Seminar, Hämeenlinna
- 2013 March: -**Workshop on Smart Specialisation on Advanced Manufacturing Technologies**, Covent Garden, Brussels
- 2013 October: -**Manufuture 2013 Conference**, Vilnius, Lithuania  
([www.manufuture2013.eu/programme-speakers/programme](http://www.manufuture2013.eu/programme-speakers/programme))  
-**BSR Workshop** -"Future-Oriented R&I Activities For Sustainable Industrial Development In Lithuania And The Baltic Sea Region", Vilnius, Lithuania
- 2012-2013 -Discussions with industry, academia and public authorities (8 countries)

## Recognitions

- Factories of the Future Strategic Multi-Annual Roadmap: Factories of the Future 2020
- Normund Popens, Deputy DG, DG for Regional and Urban Policy, EC: "Regional Policy and Smart Specialisation", Manufuture 2013 Conference, 8 October, 2012, Vilnius, Lithuania ([www.manufuture2013.eu/programme-speakers/programme](http://www.manufuture2013.eu/programme-speakers/programme))





# Thanks!

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## BSR Manufacturing Belt:

- ✓ Is aligned with Horizon 2020 and EU Cohesion Policy
- ✓ Builds on BSR's strengths and existing assets. New R&D&I will complement to achieve competitive advantage
- ✓ Sets priorities to avoid fragmentation and duplication/ imitation
- ✓ Accumulates critical mass by involving widely actors in the innovative cycle
- ✓ Supports Knowledge and technology transfer and cross-fertilisation
- ✓ *Enables reshoring of manufacturing from Asia (China ...) back to BSR and Europe*

## Target & Next Steps:

### 1. Adaptation to the EUSBSR 2.0

- BSR Manufacturing Belt Flagship in PA Inno

### 2. Further elaboration with the national Manufuture platforms