



NS Digital Supply chain

SLF op de koffie bij...

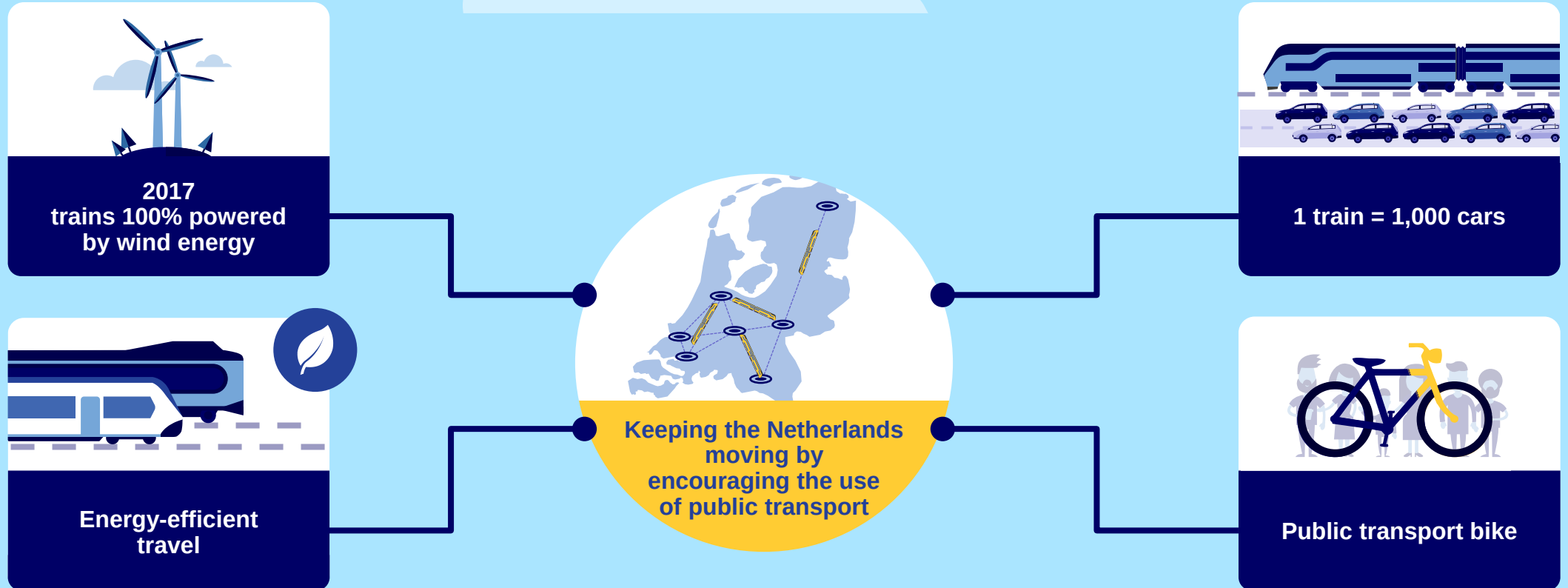
07-09-2022 Joris van de Sande

rail

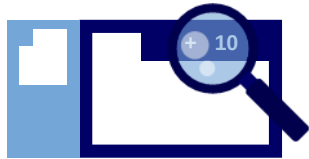
1



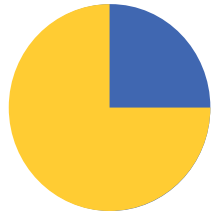
Sustainable mobility



Digital Supply chain journey at NS



3D printing test in
2017



Collecting data for
Business case



Build eco system for
Scaling



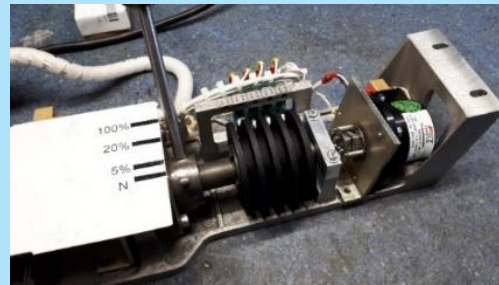
Contracting new
business models



Additive Manufacturing benefits

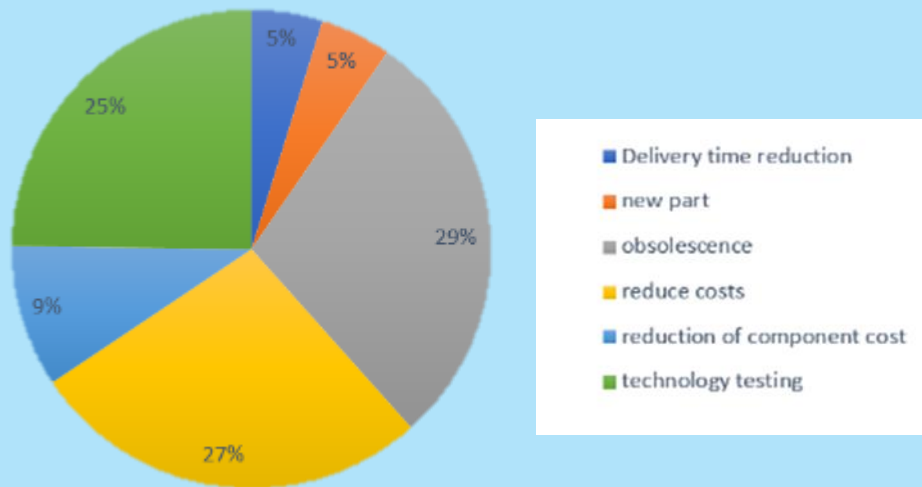


NS parts on demand available

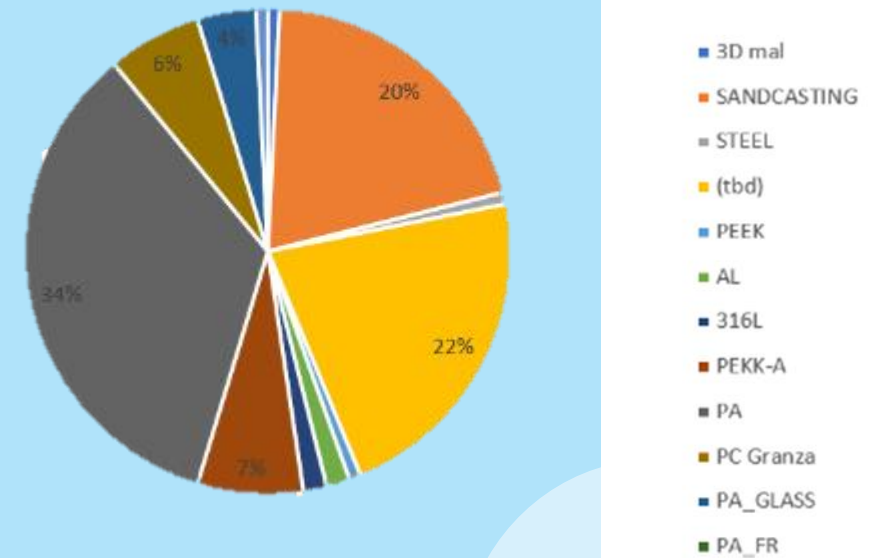


NS 3D print use case summary

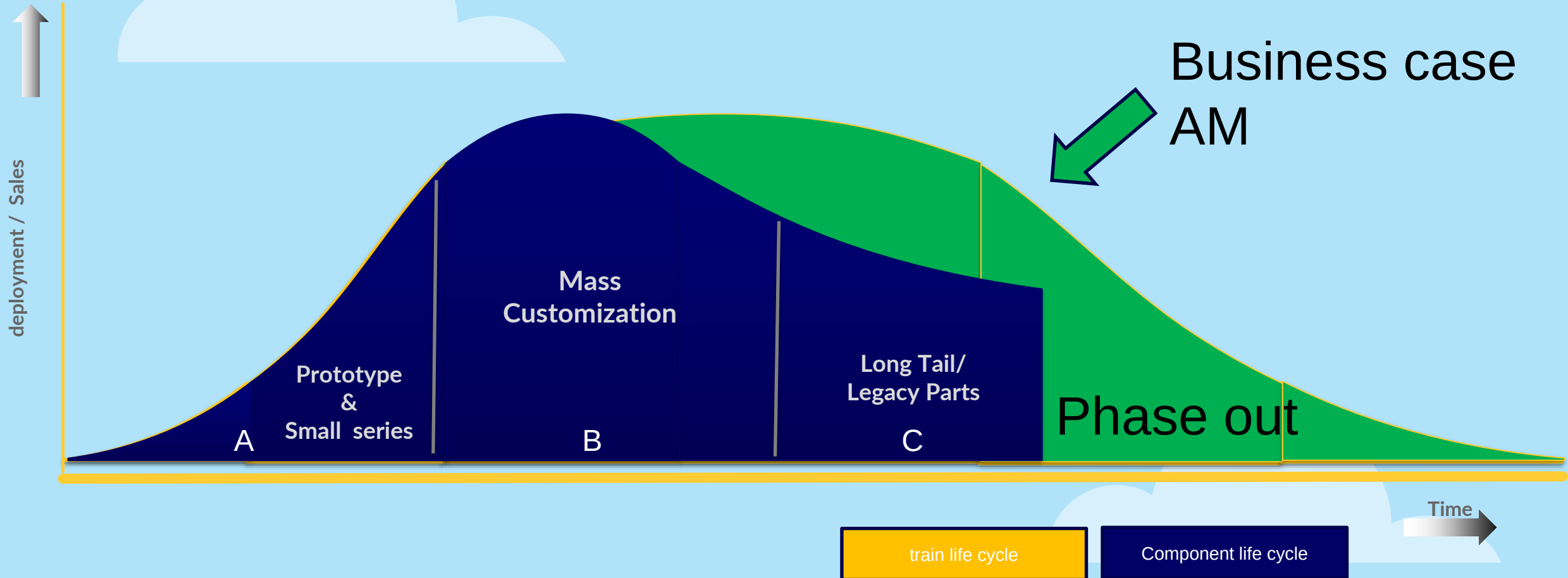
AM reasons



AM materials



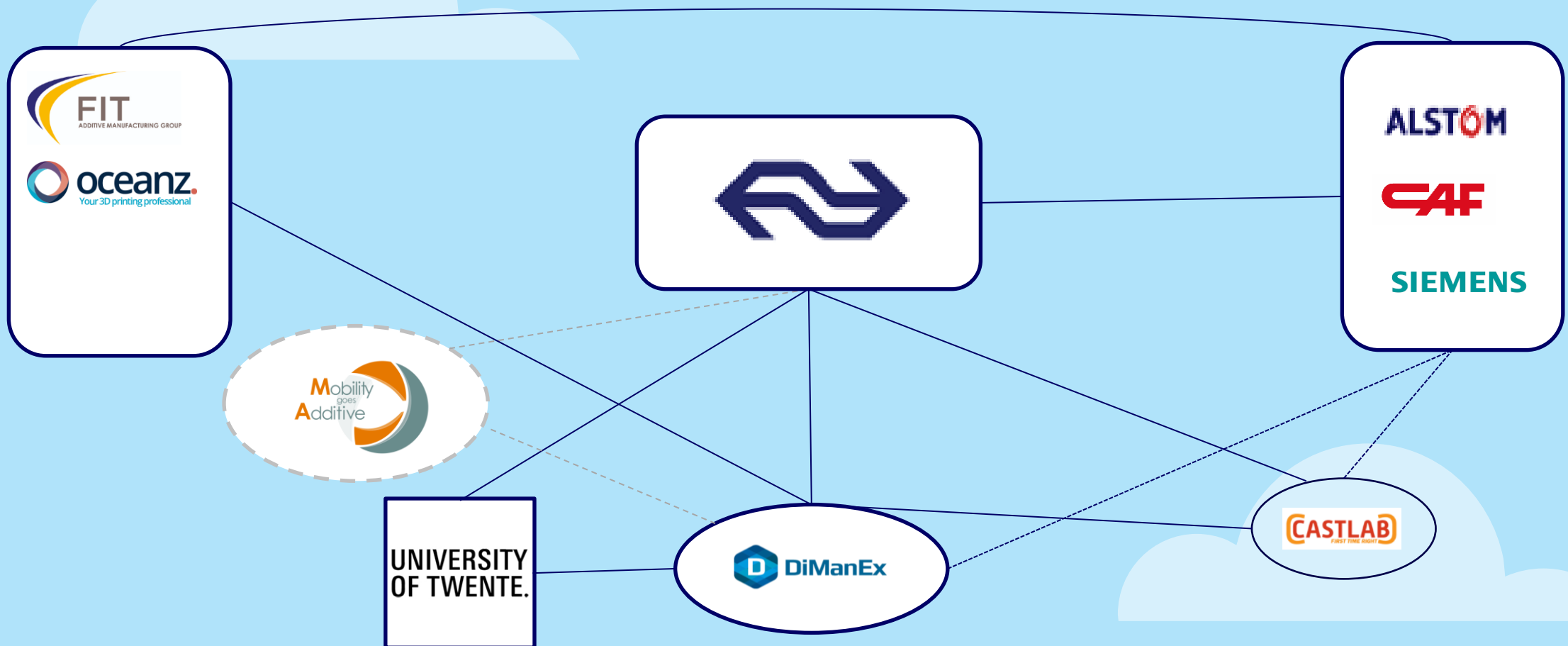
Supply chain challenge: extent the life cycle for components and increase agility to match volume in the long tail



Building network to combine rail and 3D knowledge

3D printing

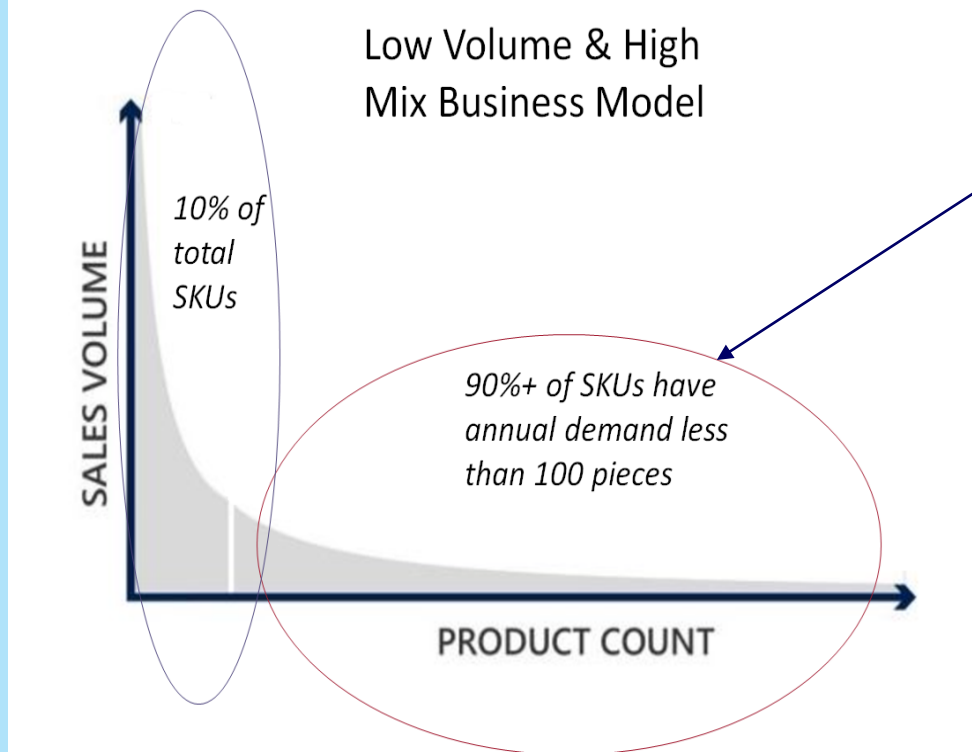
Railmarket



Big parts printed which are now available but will end as long tail items



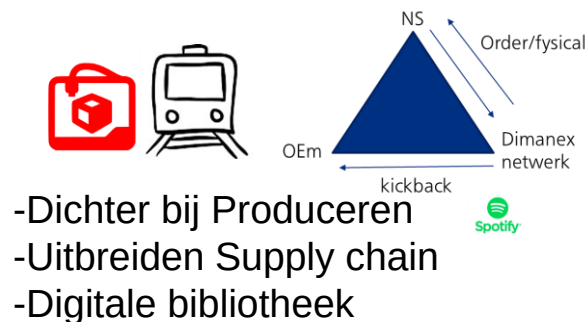
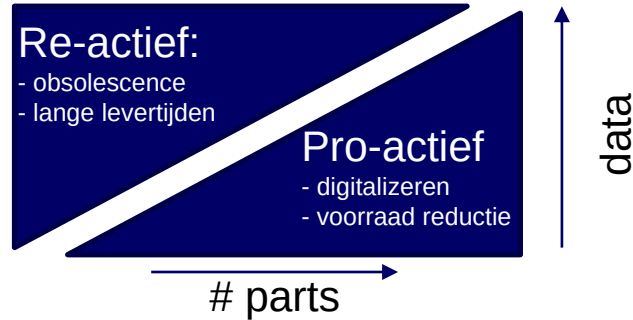
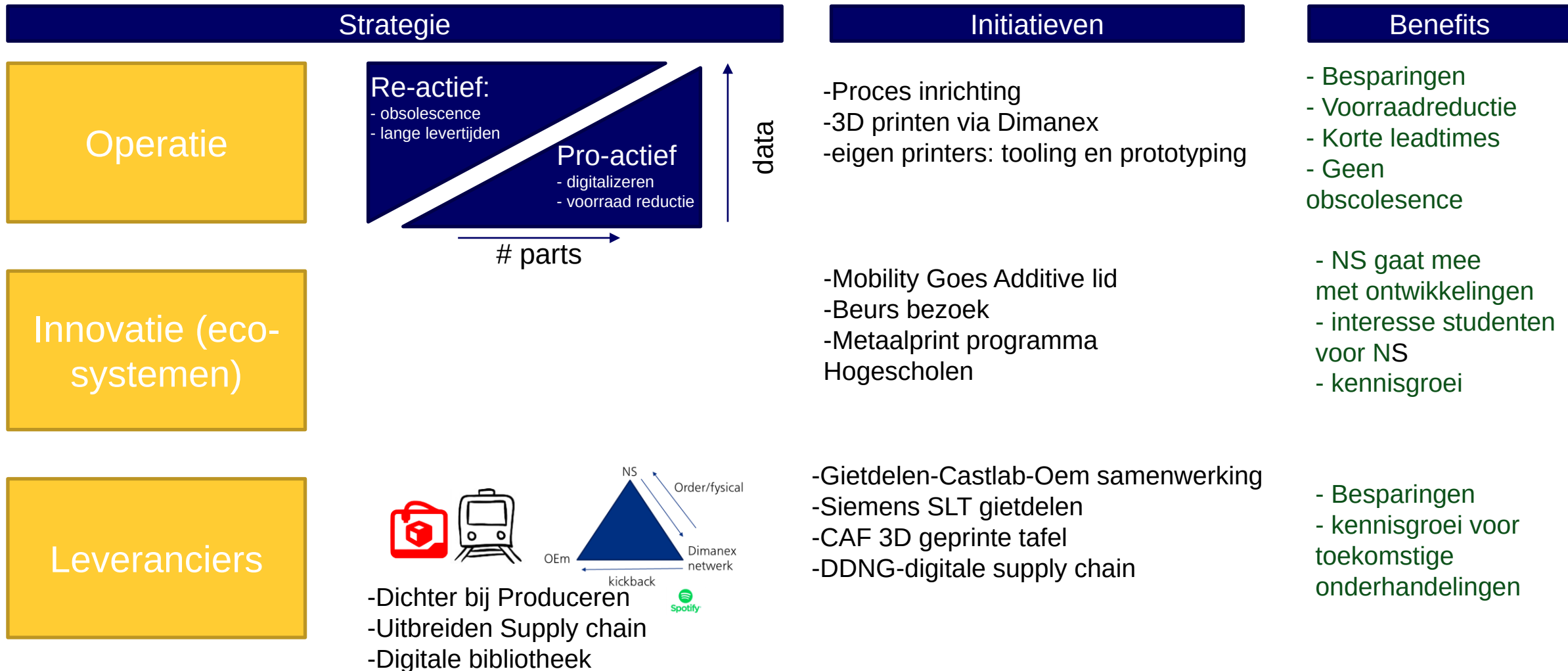
New business models for the long tail



High material management cost in supply chain
(expediting, obsolescence management)

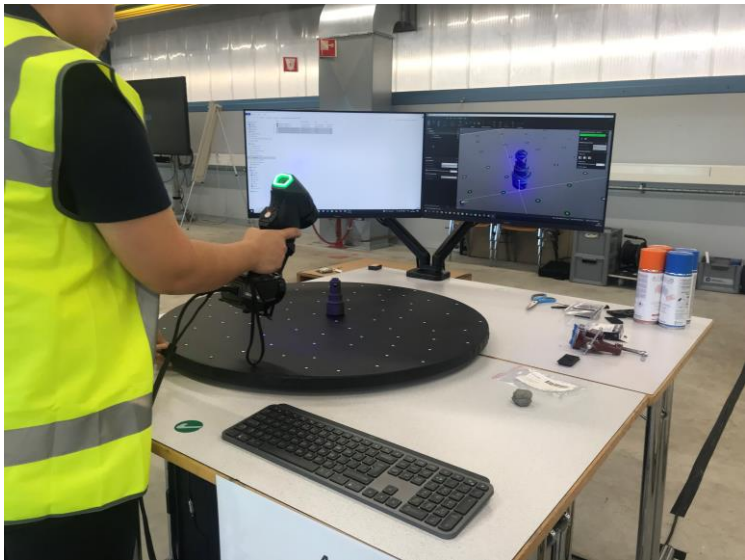


AM is de enabler voor een digitale supply chain binnen instandhouding

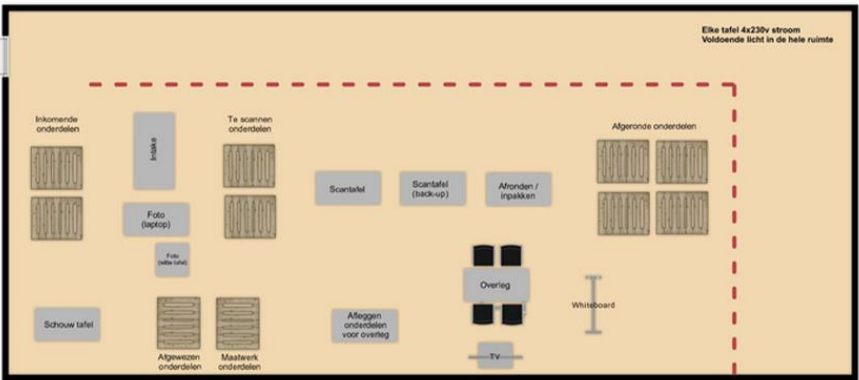


Digitalizeringsstraat NCB (26/27/28 juli)

Doel: digitaliseren van onderdelen met voorraad optimalisatie potentie, voorbereiding 3D printing



Deelnemers: Nico van Velzen (Geopoints), Chris van Malkenhorst (Dimanex), Roel Tabak, Ivo Wouters, Jeffrey Doek, Hans van Dongen, Jerry Otten, Jan van IJem, Joris van de Sande, Wim Hesselmans



floorplan

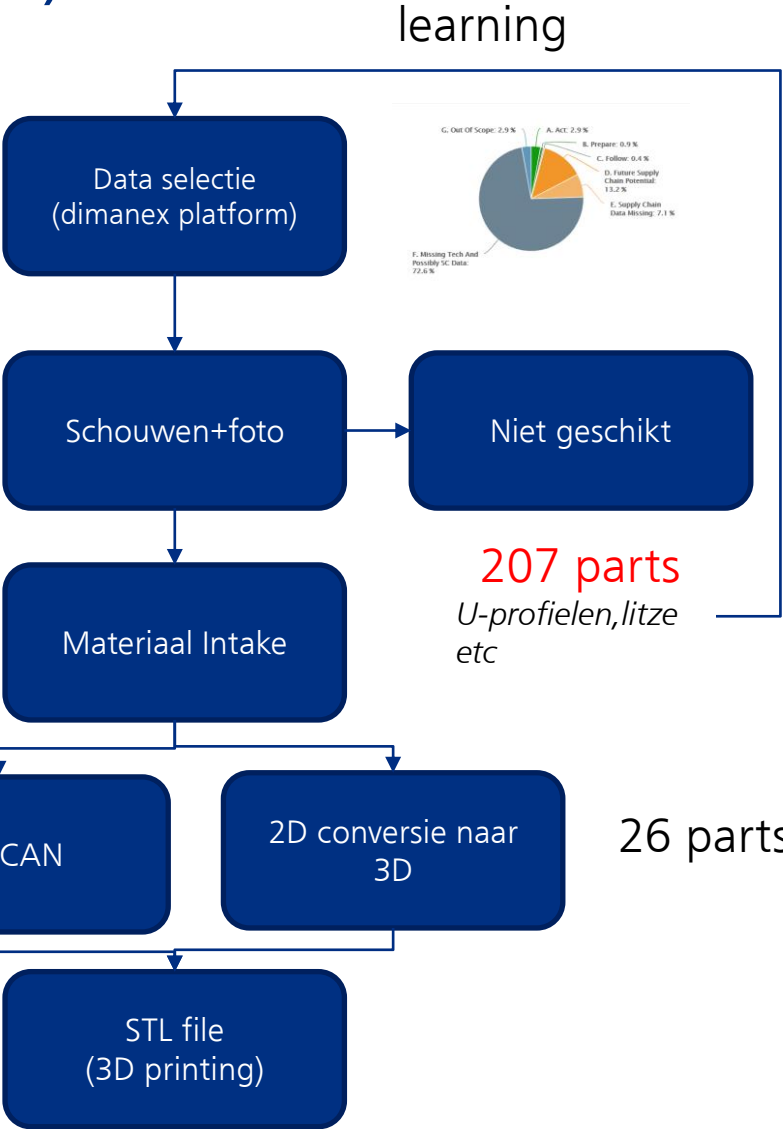
>130000 parts

300 parts

93 parts

67 parts

93 parts



Categorie aanpak: Design rules kabelklossen



Productbetrouwbaarheid:
hout->kunststof



Materieel breed



Digitalisering van +/- 20
SKU's

