

# Orderpickoplossingen in spare parts



GROENEWOUT



27 november 2013  
9026X095/PH/ld

# Groenewout

## Supply Chains Management



Onafhankelijk

Objectief

## Warehouse Logistics



Multi-disciplinair

Kennis

## Construction Mgt. & Engineering



Facts & figures

Pragmatisch

# Groenewout

## (Fine) Chemicals



## Healthcare



## Electronics



## 3rd-Party Logistics Service Providers



## Fast Moving Consumer Goods



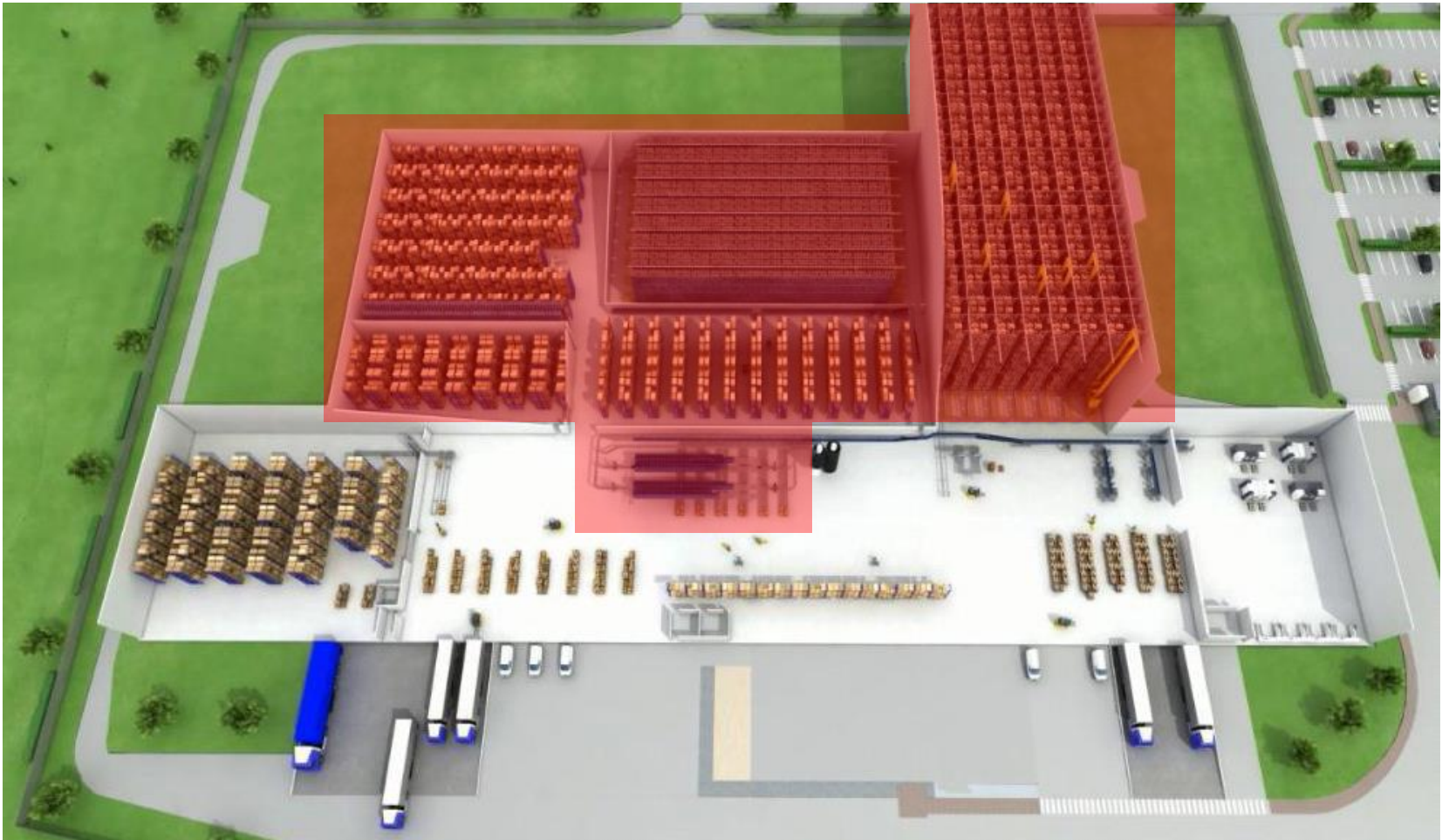
## And many other industries





# Orderpicksystemen in nieuwe DC Jungheinrich

## Kaltenkirchen (D)



# Factoren die orderpickoplossing bepalen

---

1. Orderprofiel
2. ABC patroon
3. Groeiscenario
4. Artikelen
5. Pickstrategie

# 1. Orderprofiel

Spare parts: E-commerce & B2B onder één dak

- Veel kleine orders met E-com kenmerken
- Kleine hoeveelheid grote orders met B2B kenmerken



order profiel			
	verdeling	# regels/order	# units/regel
kleine orders	80%	3	1.1
grote orders	20%	12	2.5

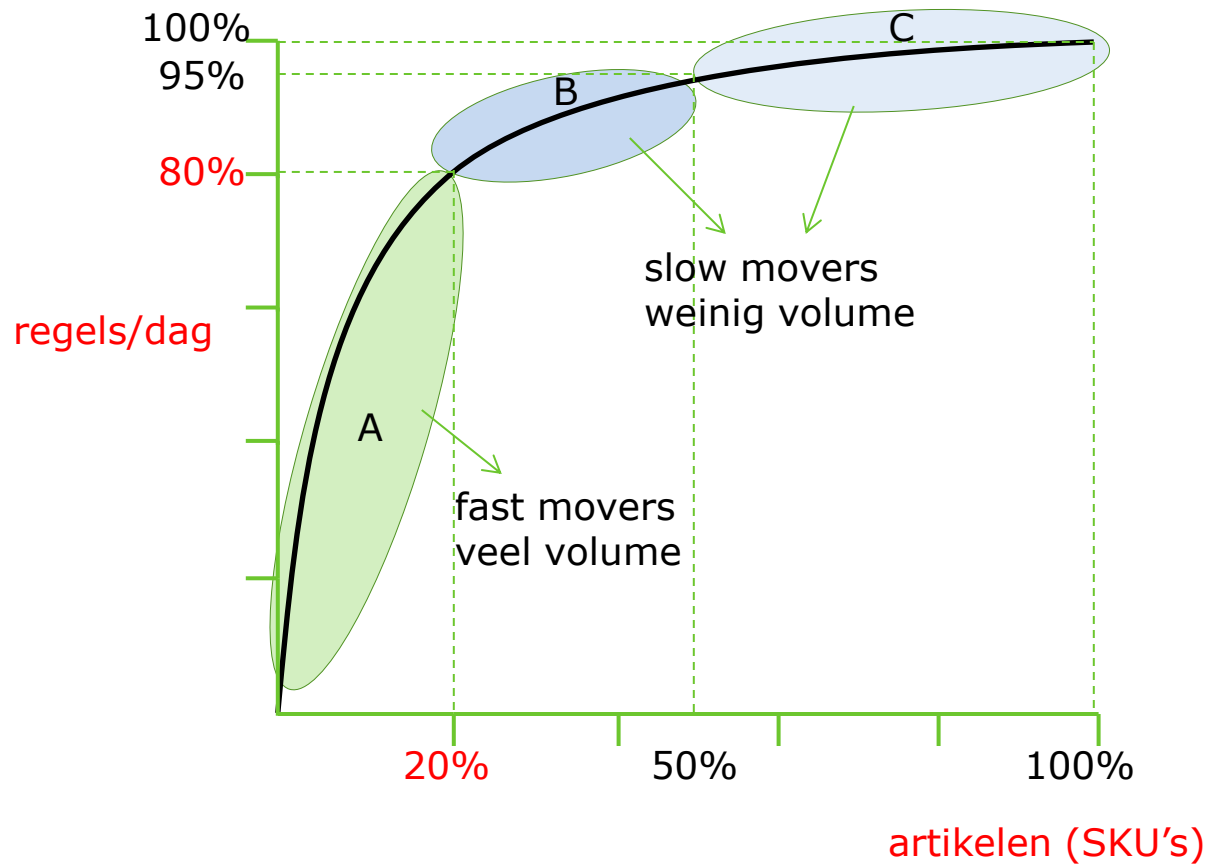
Verschil met "echte" E-commerce/B2B:

- pick unit is identiek voor kleine en grote orders → één picklocatie

## 2. ABC patroon

Klassieke Pareto - 80/20 regel:

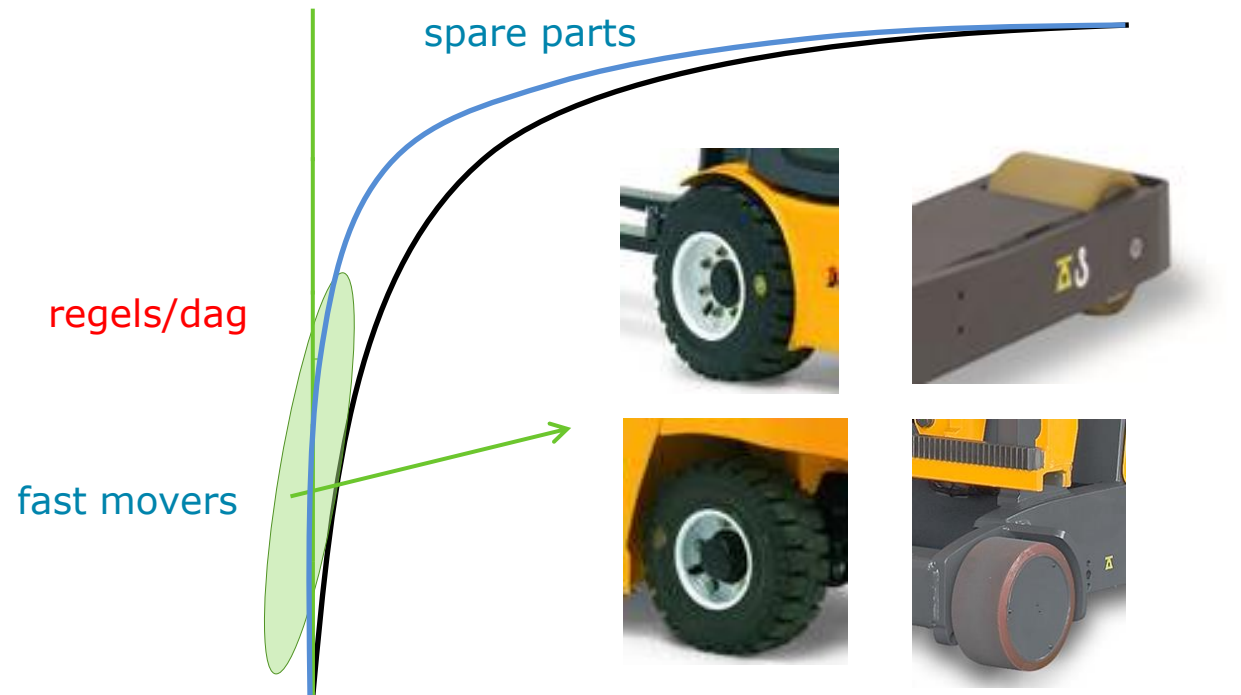
- 20% van de SKUs doet 80% van het volume



## 2. ABC patroon

Typische spare parts curve:

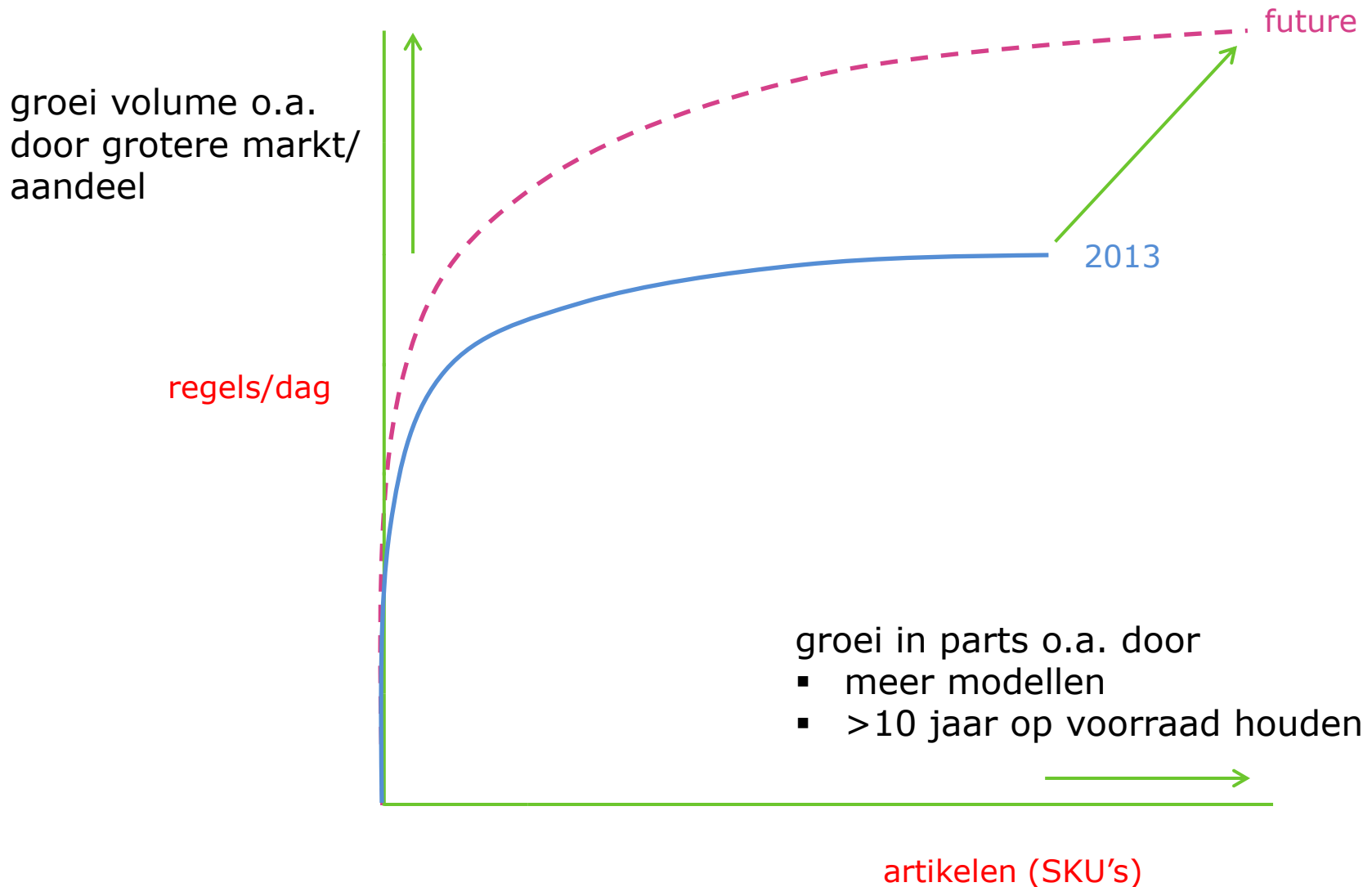
- < 5% super fast movers → slijtdelen (wielen) en consumables (olie)
- grote groep slow movers → 10 jaar service verplichting



artikelen (SKU's)



### 3. Groeiscenario



## 4. Artikelen

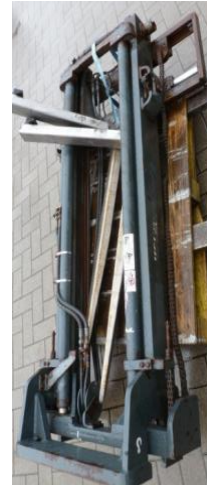
Welke artikelen zijn geschikt voor gemechaniseerde oplossingen?



klein/licht



groot/zwaar



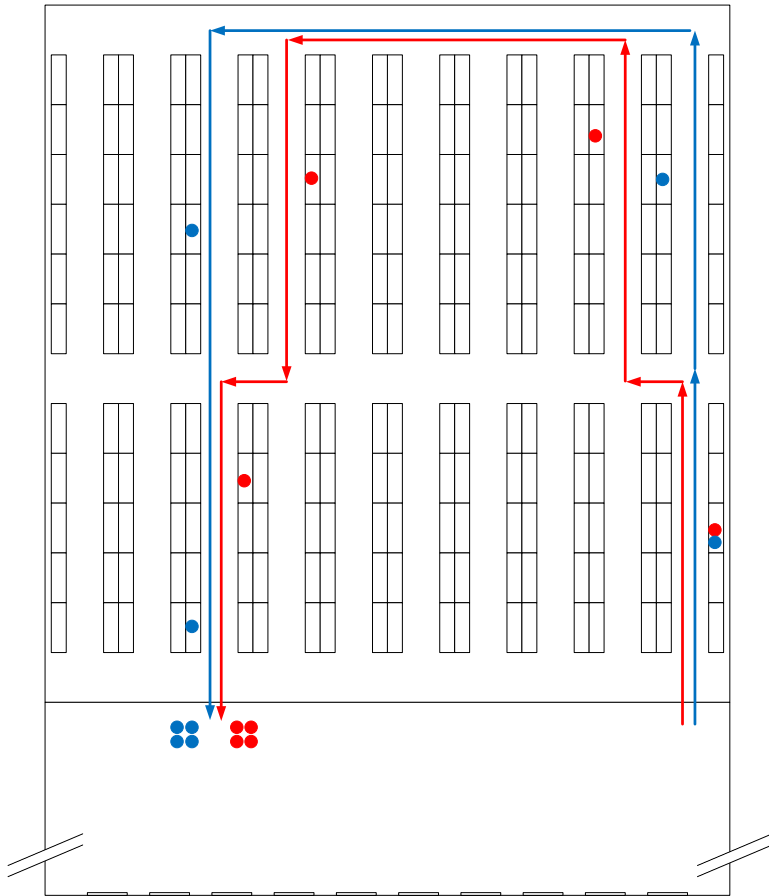
lang/oversized



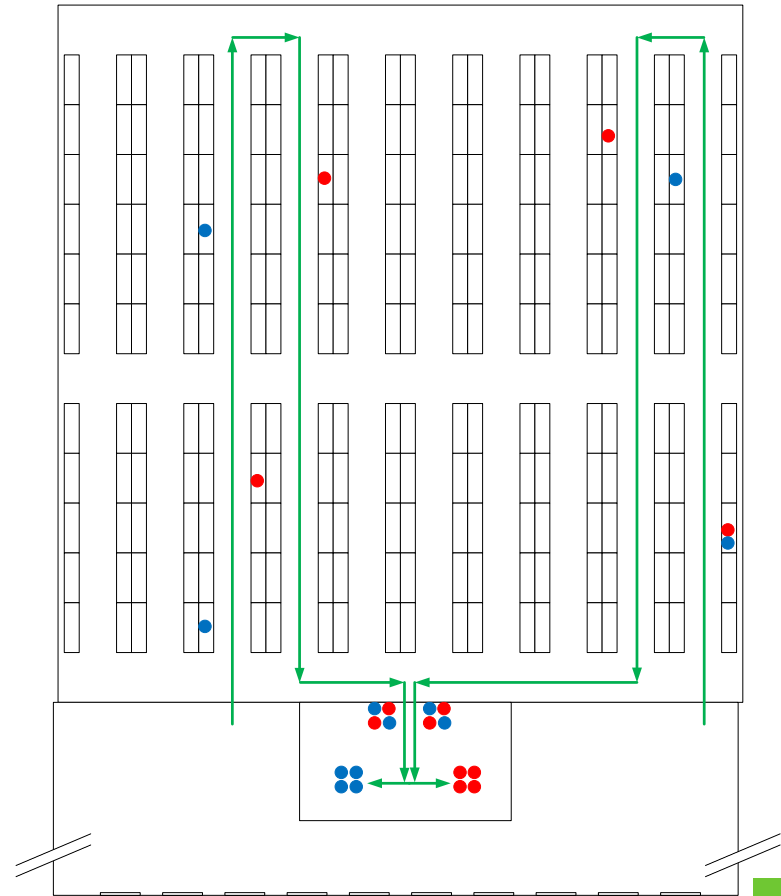
gevaarlijk

# 5. Pick strategie

Pick per (multiple) order:  
sorteer naar order tijdens pick

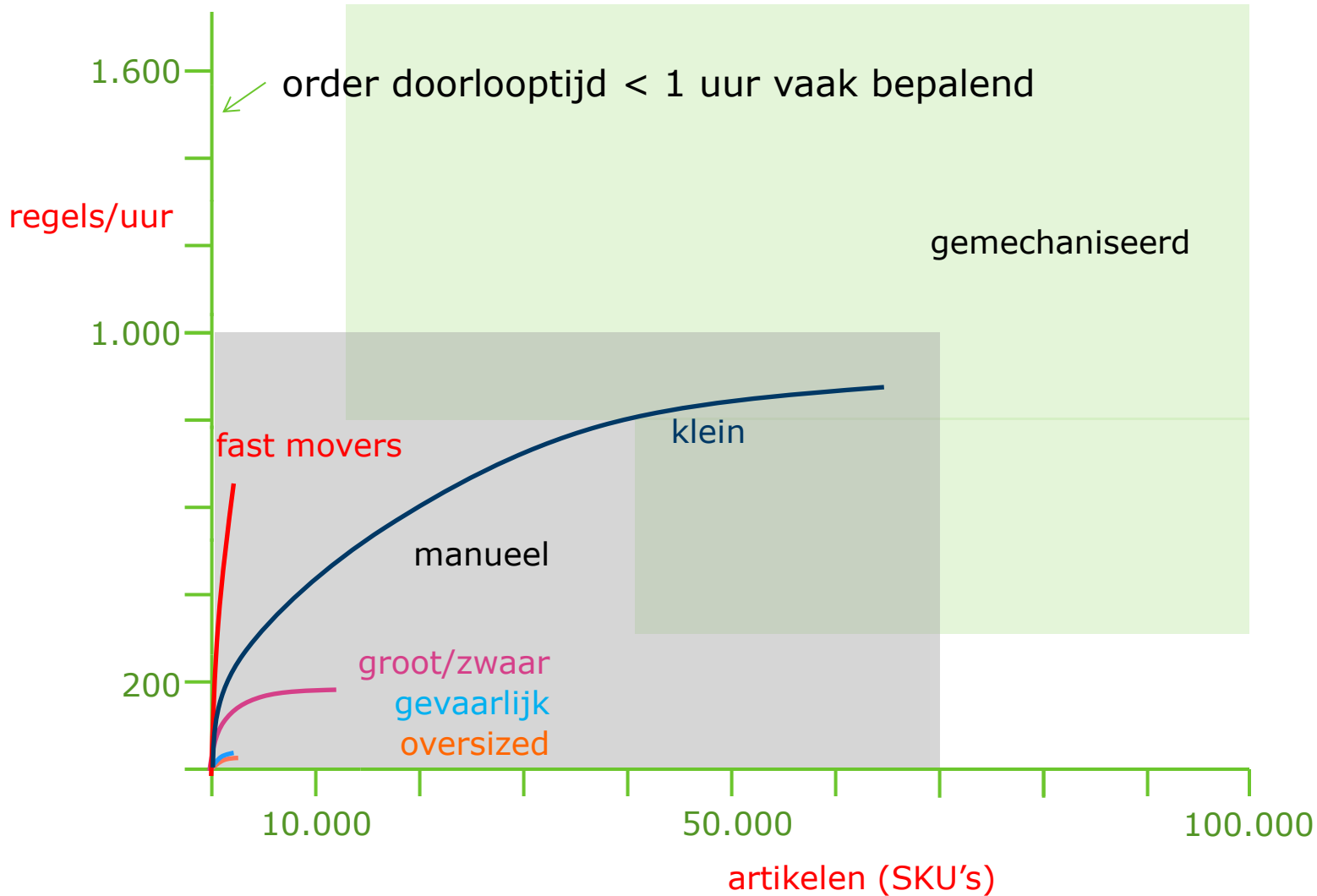


Batch pick:  
Stap 1: pick per artikel  
Stap 2: sorteer naar order



# Oplossingen

Typische spare parts ABC curves



# Oplossingen



## fast movers:

lage palletlocaties, OPT, brede gangen

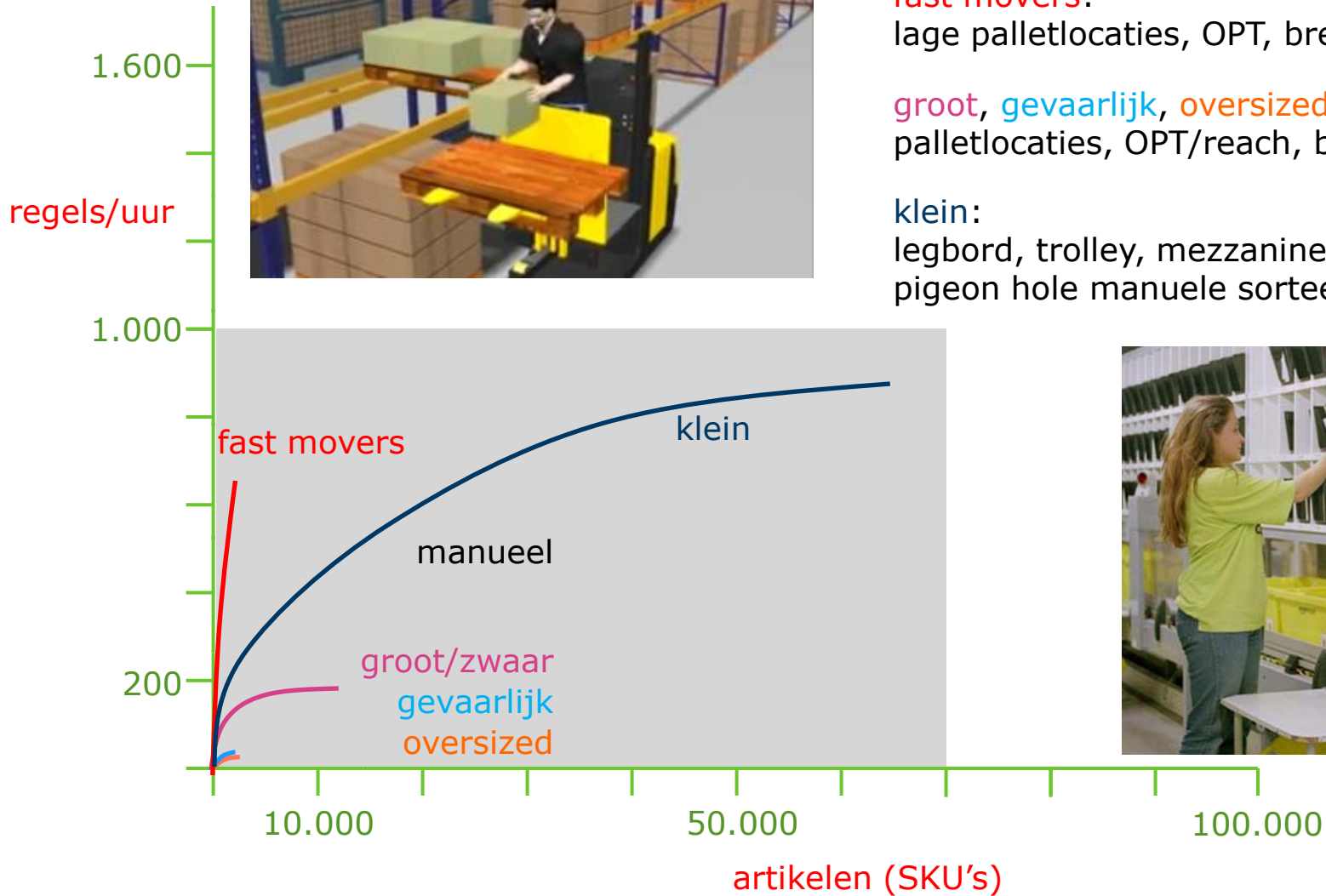
## groot, gevaarlijk, oversized:

palletlocaties, OPT/reach, brede gangen

## klein:

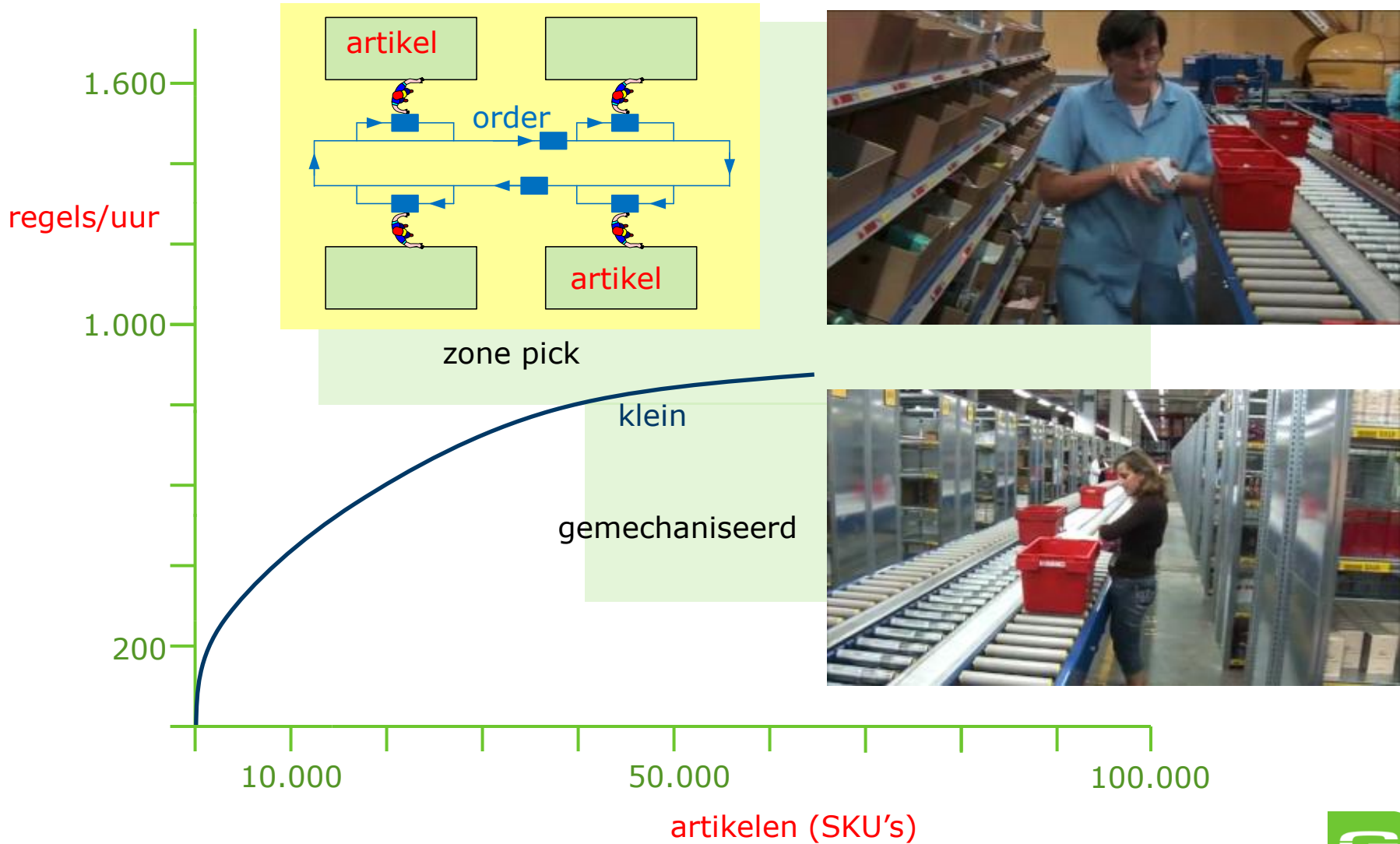
legbord, trolley, mezzanines

pigeon hole manuele sorteerstations

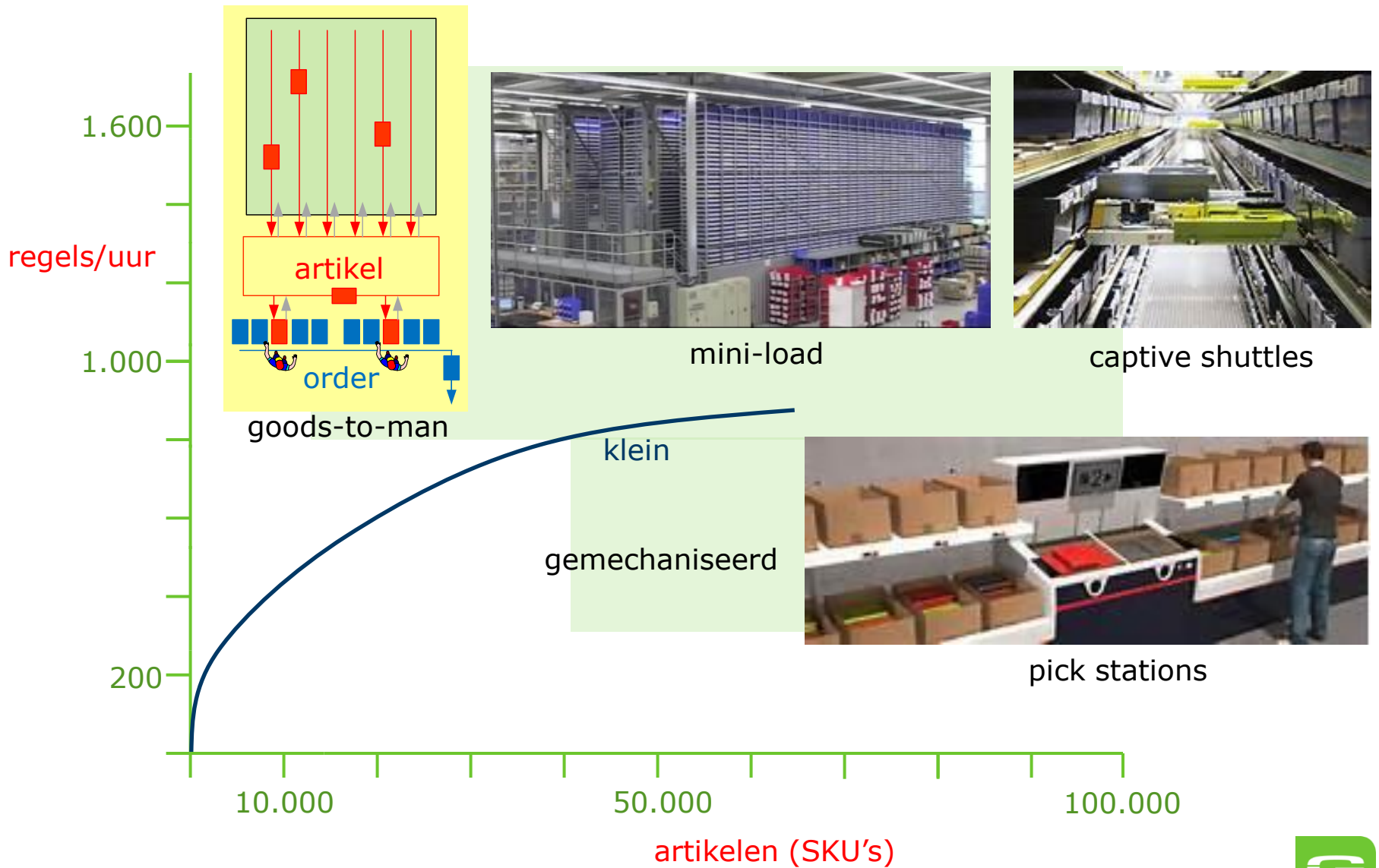




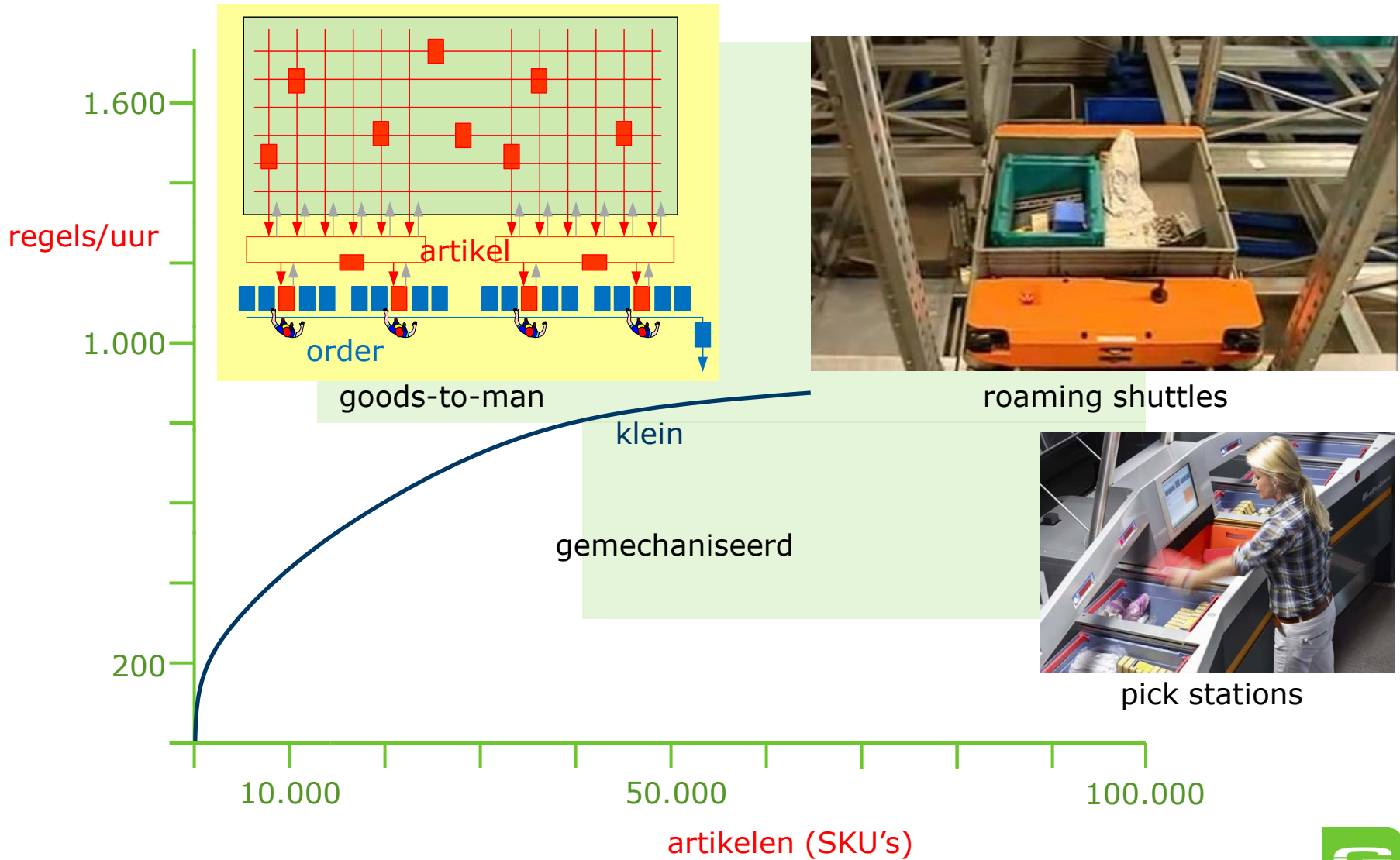
# Oplossingen



# Oplossingen



# Oplossingen





Senior Consultant



haagh@groenewout.com



T +31 76 5330440  
M +31 6 50252788



www.groenewout.com

Dank voor uw  
aandacht!