



SINGLE PIECE FLOW VERSUS BATCH DELIVERIES



Background Batch Flow - Train

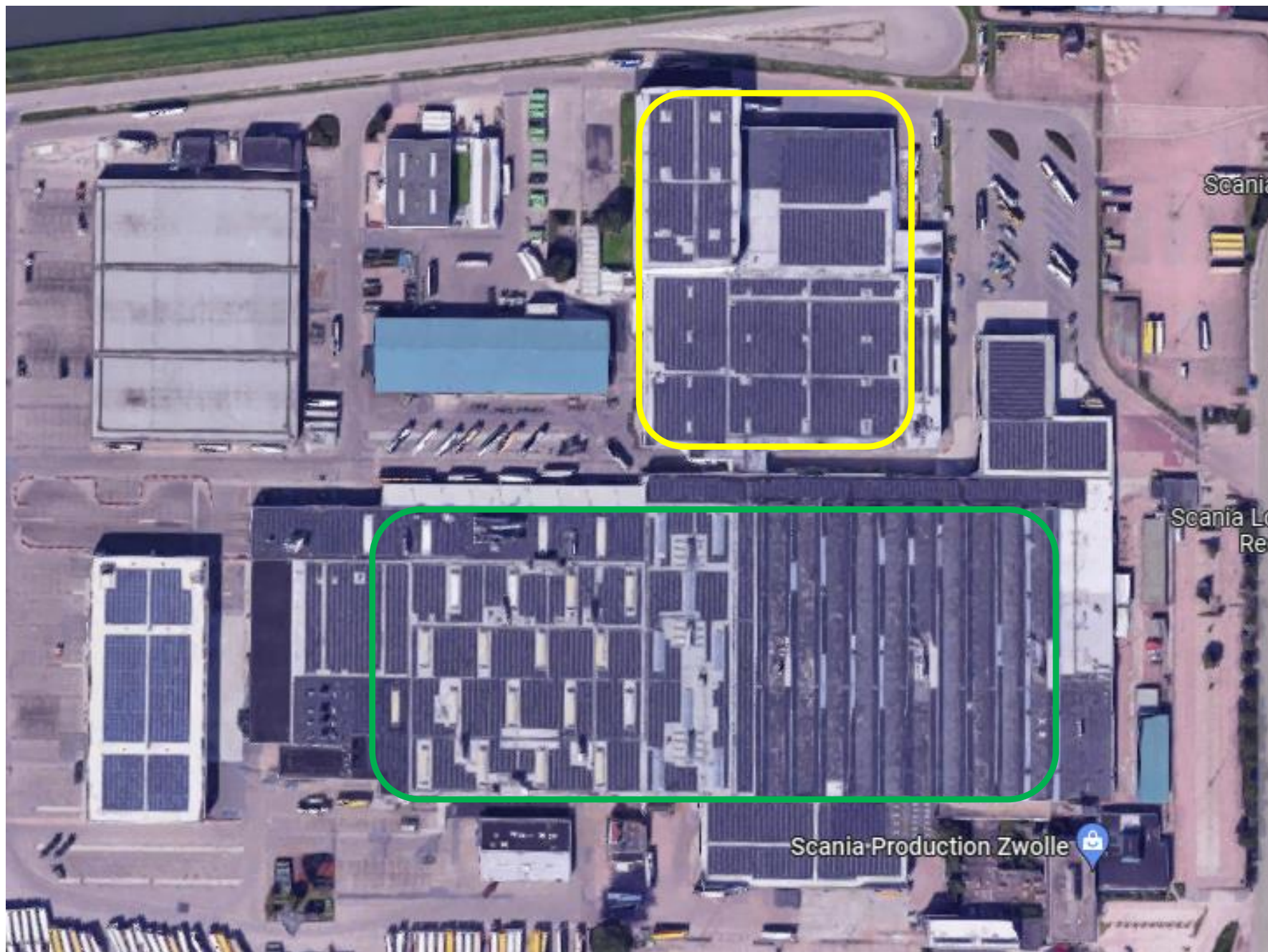


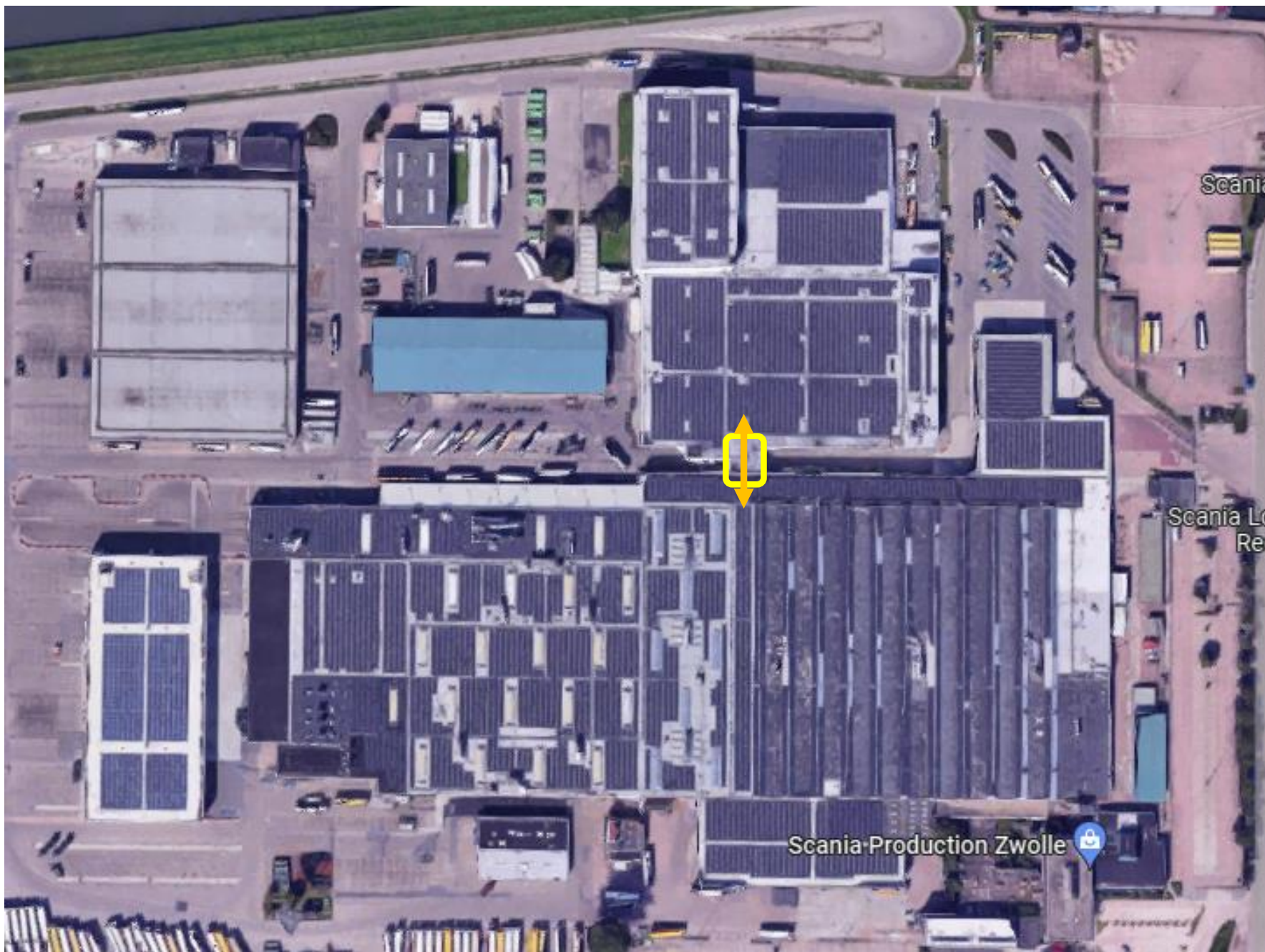
- Installed ~2010
- Supermarket to Line
- Solution for train concept
 - Mother and daughter concept (many different concepts)
 - Logistics takt
 - 1-2-4 principle



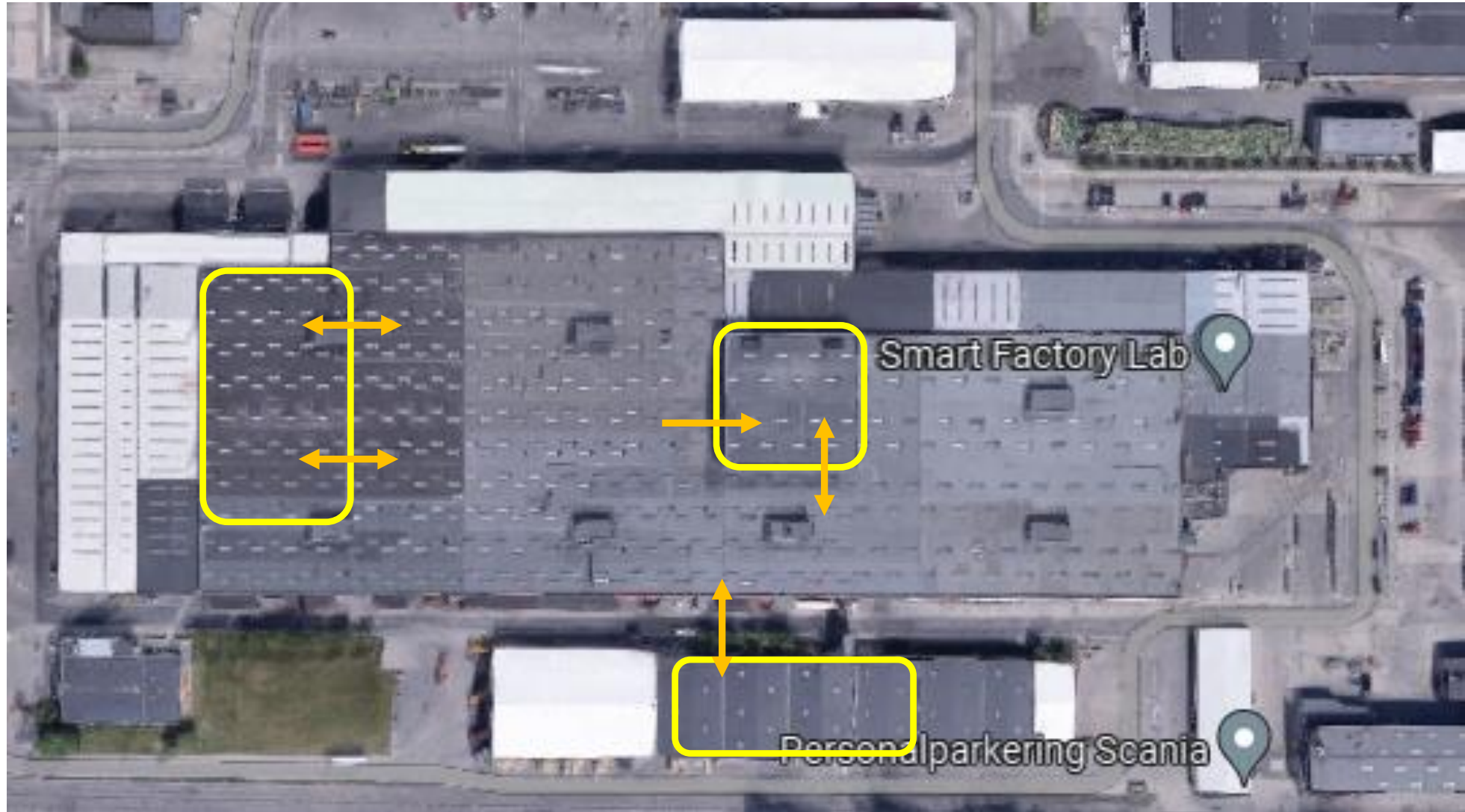
100% Manual work







Long distance
< 900 m





Automation of transports

- AGV/AMR
- 100% → Last mm delivery



Single Piece Flow





Batch Flow - Train

