Georgia Tech Physical Internet Center
Stewart School of Industrial & Systems Engineering

SMART LOCKER BASED ACCESS HUB NETWORK CAPACITY DEPLOYMENT IN HYPERCONNECTED PARCEL LOGISTICS

LOUIS FAUGERE, S.MALLADI, B.MONTREUIL, C.WHITE III

PHYSICAL INTERNET CENTER,
SCHOOL OF INDUSTRIAL AND SYSTEMS ENGINEERING,
GEORGIA INSTITUTE OF TECHNOLOGY

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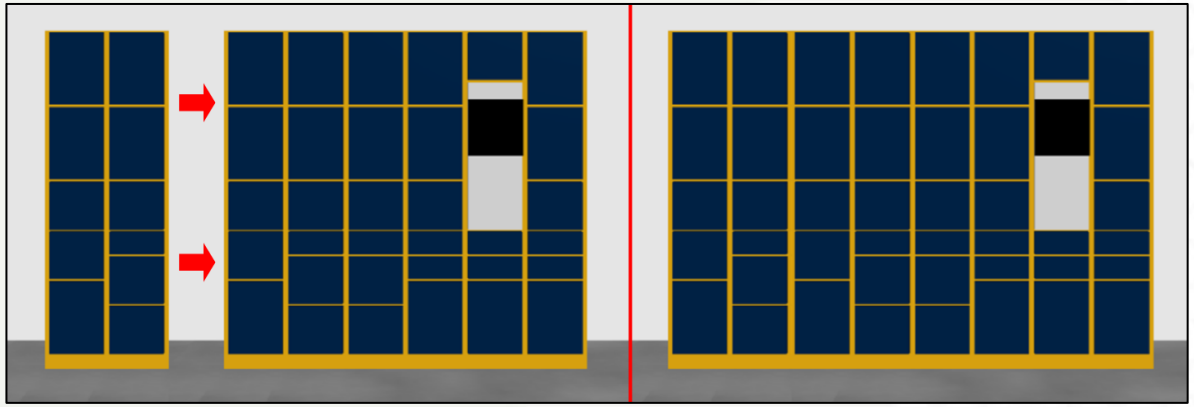
Dynamic modular capacity deployment

***Customer* locker vs. *logistic* locker**



Source: Faugere & Montreuil (2017) "Hyperconnected Pickup & Delivery Locker Networks". *IPIC 2017, Graz, Austria.*

Illustration of smart locker modularity

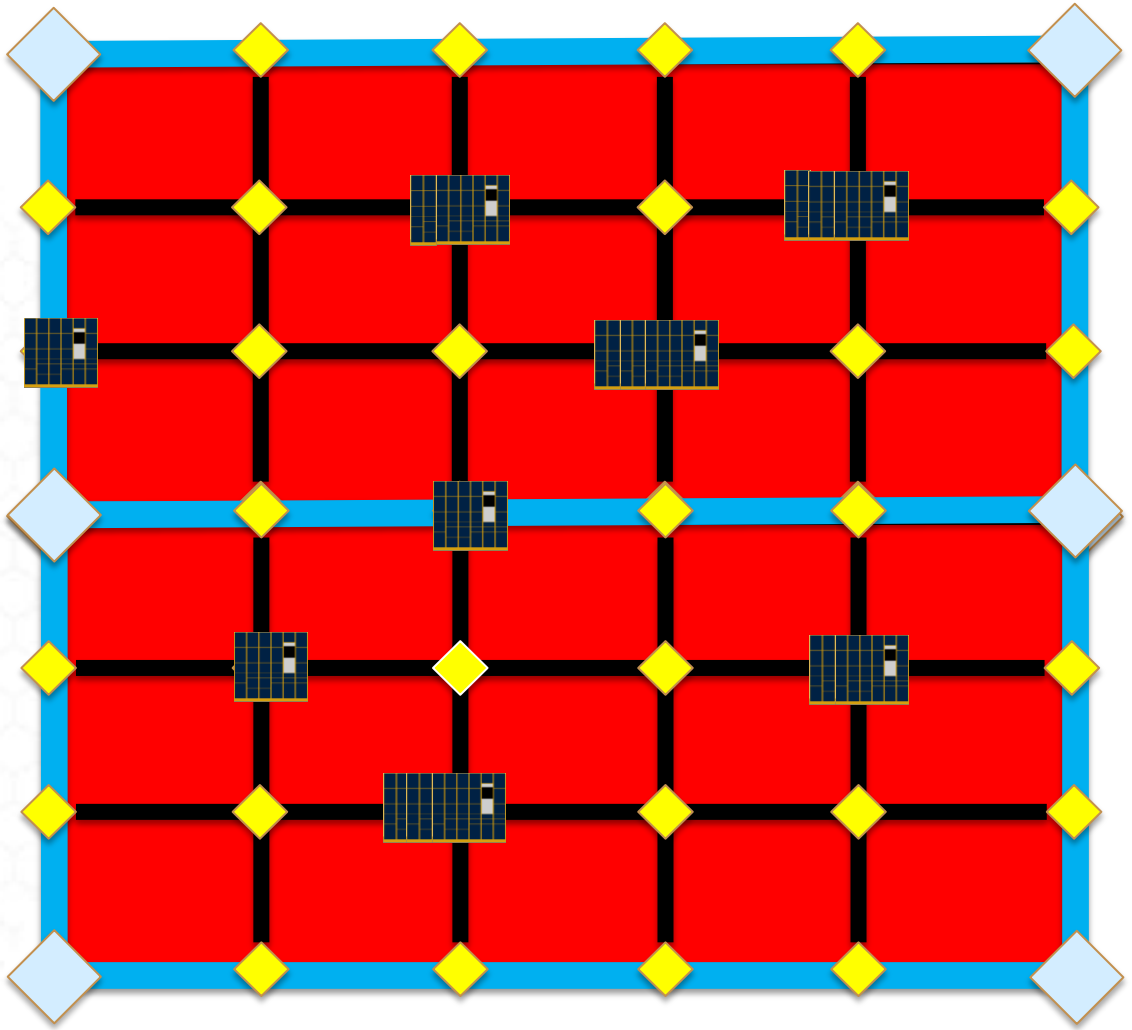
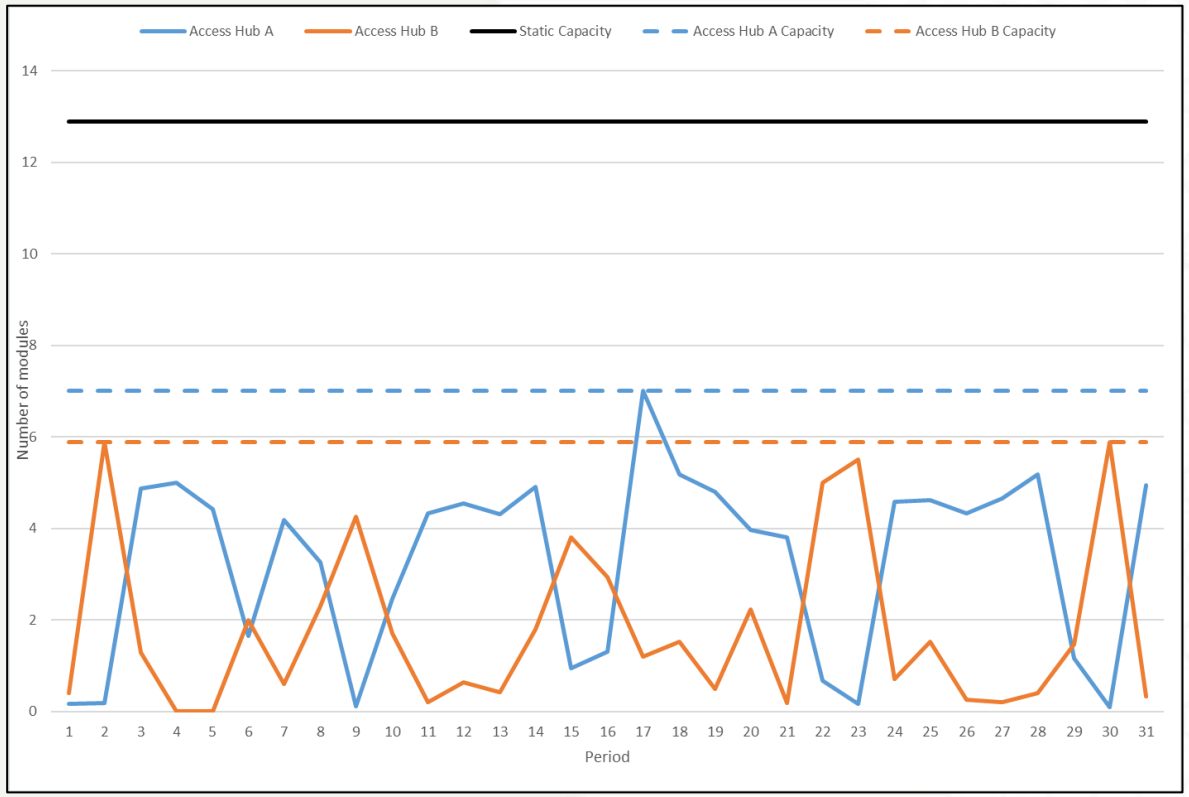
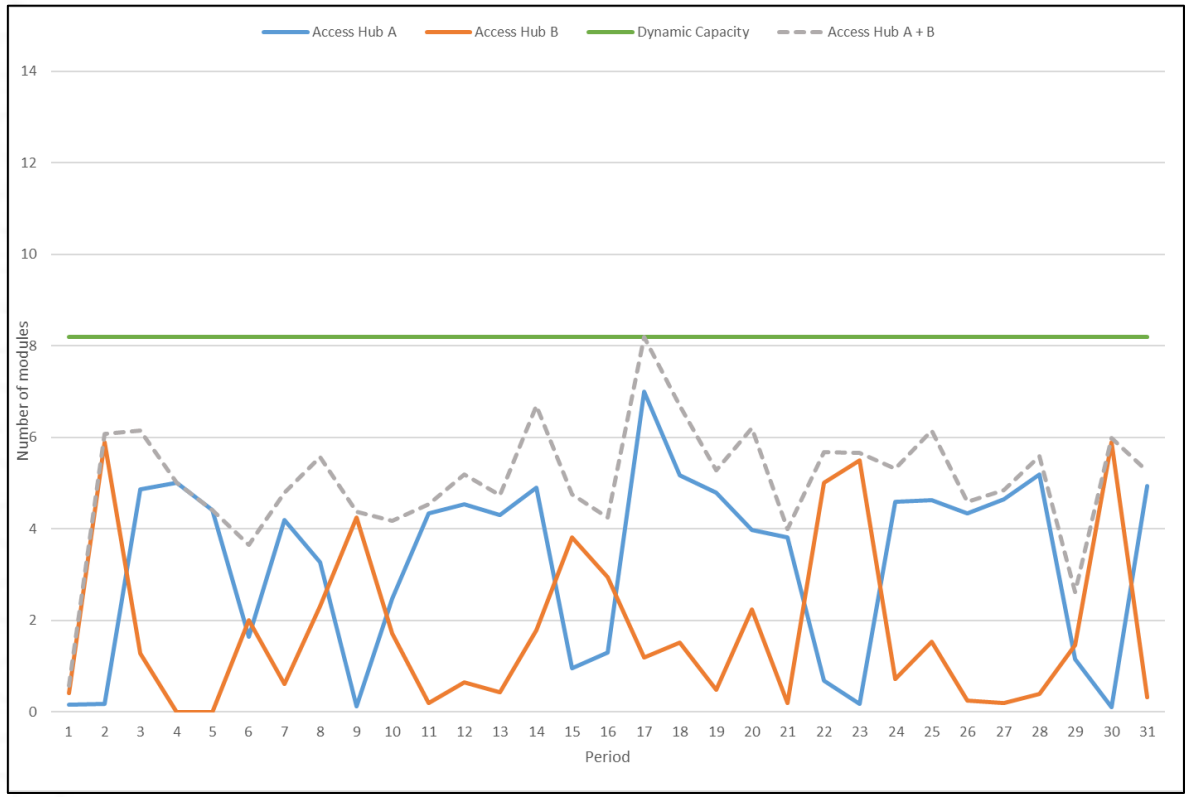


Illustration of periodic capacity relocation

Static vs. dynamic capacity deployment



Static capacity deployment



Dynamic capacity deployment

Total capacity need = $\sum max(capacity\ needs)$ $\geq$ Total capacity need = $max(\sum capacity\ needs)$

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