















1x Make-up & 800 BAX hold capacity

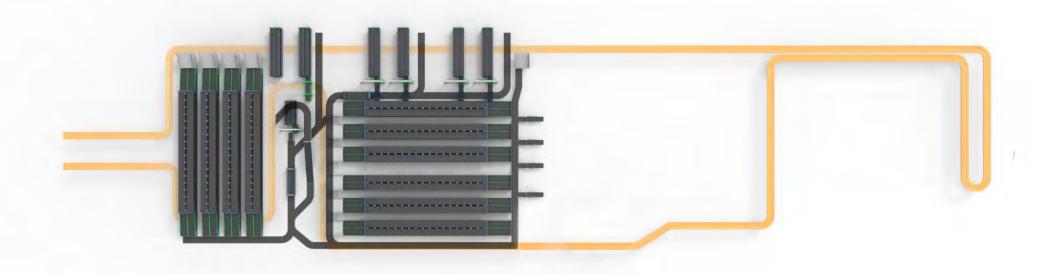












3x Make-up & 2000 BAX hold capacity



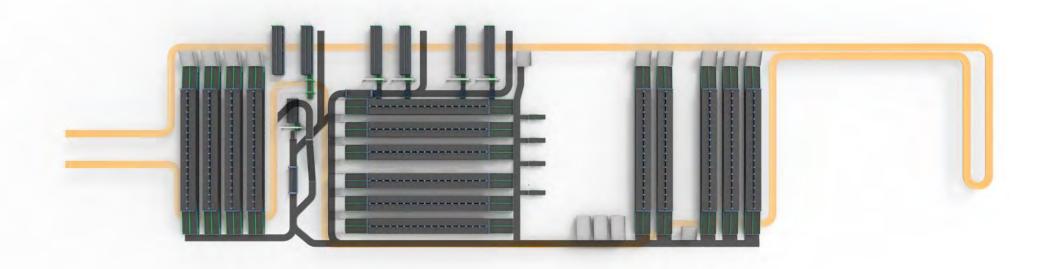
Scale Up











3x Make-up & 3000 BAX hold capacity

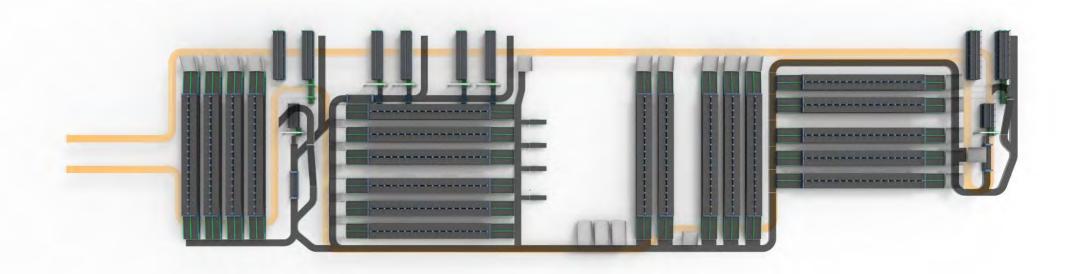












4x Make-up & 4000 BAX hold capacity



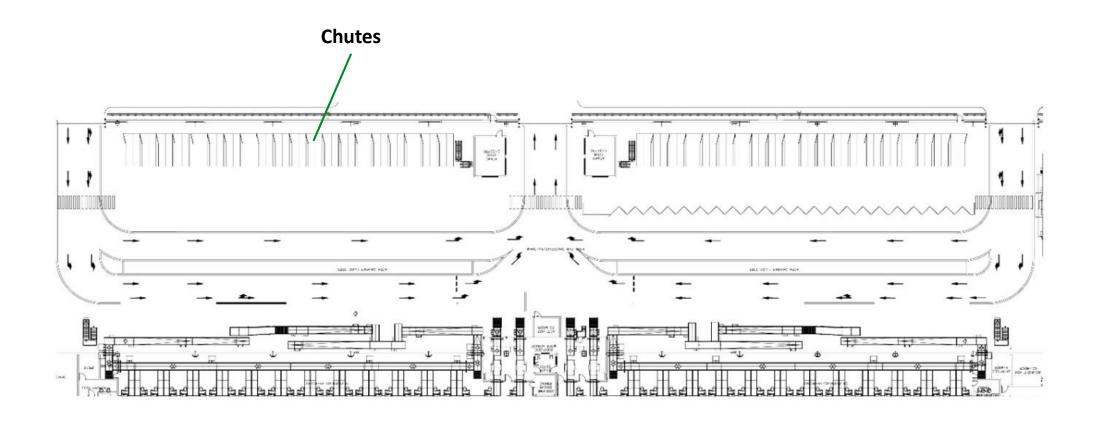












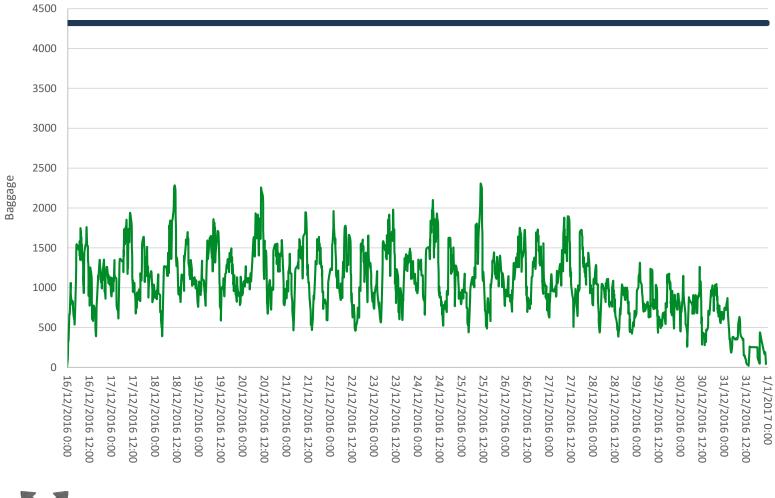












Peak data

Sorted for narrow-body only

>20 mil BAX / year

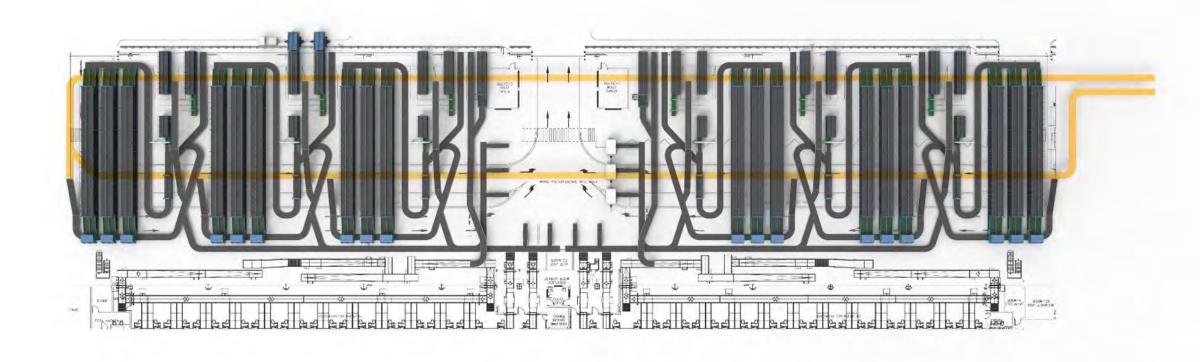












>20 mil BAX / year

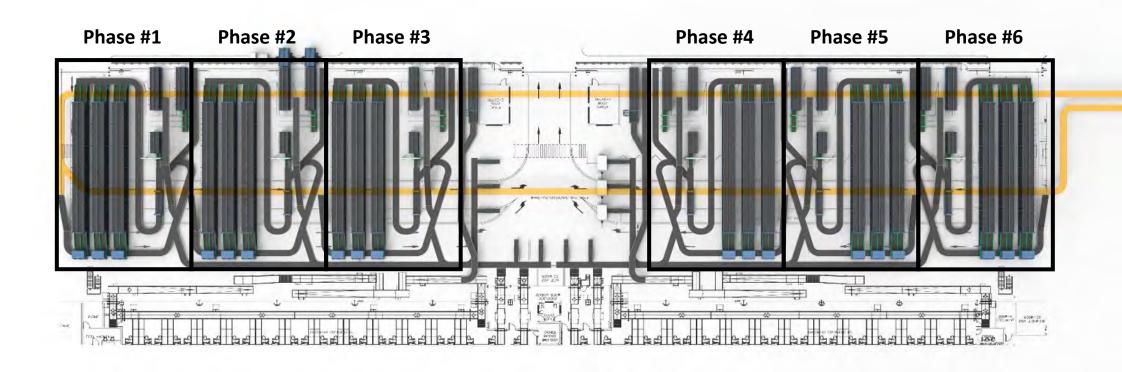












>20 mil BAX / year











Preconditions and assumptions

- Salary: \$80,000 per year ~\$38,00 per hour (including social cost)
- 40 hour work week
- 4% of salary as worker insurance
- BBHS can reduce sickness absence with 2%-points
- Based on peak data
- BBHS can reduce tail-to-tail operations with 30%
- Based on airport with ~12.5 mio. PAX / year

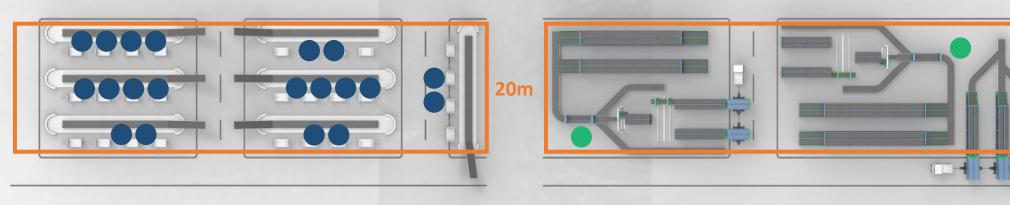






As is staffing need at peak

BBHS staffing need at peak



68m

Current handler staffing

BBHS operator staffing

20 handlers 2 operators

Sorting hall #1 Staffing comparison at peak









Staffing Sorting Hall #1



Summaries	As is	245.5 h/day	\$ 9,329 /day
	BBHS	39 h/day	\$ 1,482 /day
Savings		206.5 h/day	\$ 7,847 /day \$ 2,864,155 /year

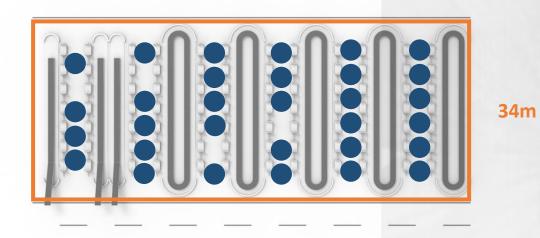




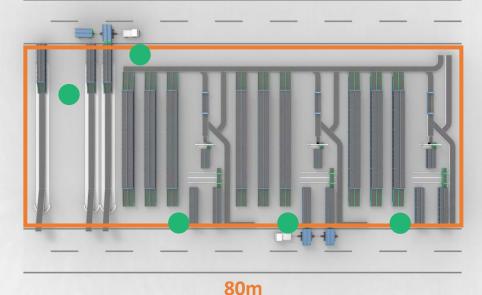




As is staffing need at peak



BBHS staffing need at peak



80m

Current handler staffing

BBHS operator staffing

31 handlers

5 operators

Sorting hall #2 Staffing comparison at peak



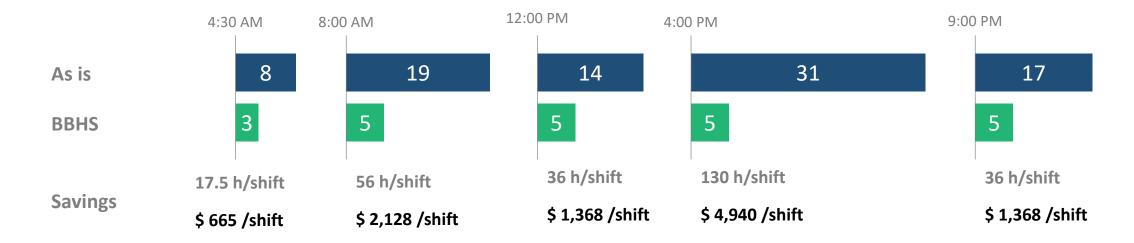








Staffing Sorting Hall #2



Summaries	As is	366 h/day	\$ 13,908 /day
	BBHS	90.5 h/day	\$ 3,439 /day
Savings		275.5 h/day	\$ 10,469 /day \$ 3,821,185 /year

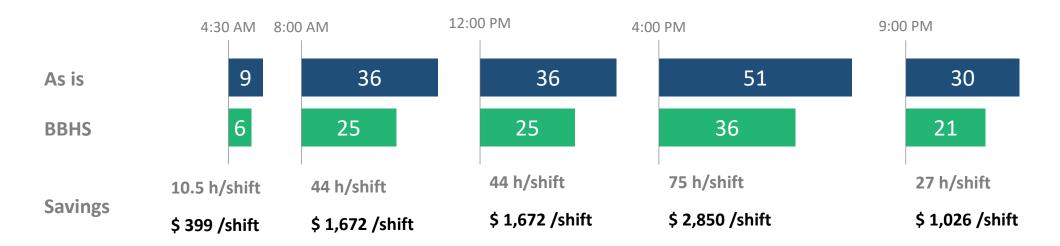








Tail-to-tail operations



Summaries	As is	664.5 h/day	\$ 25,251 /day	
	BBHS	464 h/day	\$ 17,632 /day	
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Savings		200.5 h/day	\$ 7,619 /day \$ 2,780,935	/year

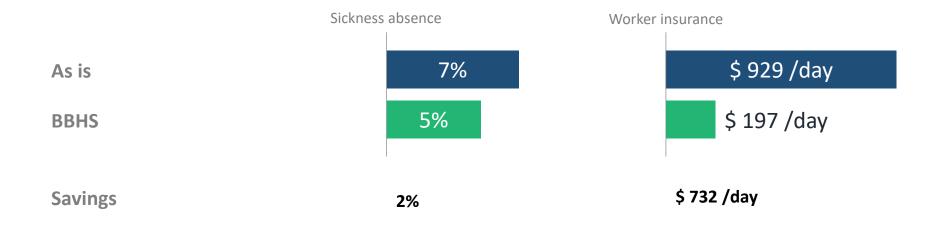








Sickness absence and worker insurance



Cost	As is	\$ 1,626 /day	\$ 929 /day
Summaries	BBHS	\$ 246 /day	\$ 197 /day
Savings		\$ 503,700 /year	\$ 267,180 /year









Total Savings

Total Sorting Hall Savings \$ 6,685,340 /year

Total Other Savings \$ 3,551,815 /year

Total Potential Savings

\$ 10,237,155 /year

Payback of ~2.5 years

Excluding value of capacity increase, removing need for new building investment



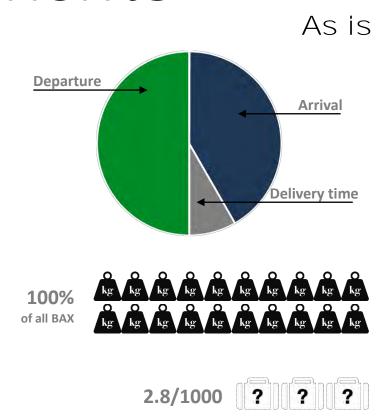








Benefits



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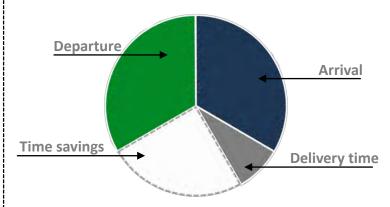




Lost and damaged











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Operational

- Smooth and safe baggage flow
- Gentle baggage handling
- 95% reduced manual lifting
- Full baggage reconciliation overview of arrival and departure
- Reduced work injuries
- Time savings
- Reduced amount of staffing required



Efficiency

- Improved turn around time
- Quicker handling process time
- Full BAX traceability
- High utilization of existing space
- High cart utilization
- Just in time storage and sortation
- Taking control over baggage flow



Financial

- Reduced labor costs on apron and in sorting hall
- Reduced insurance/injury costs
- Reduced lost and damaged BAX costs
- Aggressive system payback
- Less investment in new space



Benefits

Value Proposition

Improvement



