

***SOLVE FOR X.***

***Maximize ASRS  
Efficiencies by  
Leveraging  
Hidden Data***

Presented by:

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[promatshow.com](http://promatshow.com)

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## Introduction

- Kardex Remstar
  - goods to man
  - software and data
- Project Management
  - design and implement solutions
  - problem solving for maximum efficiency

## Overview

- ASRS vs standard storage
- The hidden data
- Reducing complexity
- Real world examples and analysis
- The WMS overlap
- Q&A

## ASRS vs standard storage

- Standard
  - goods movement request
  - [...]
  - [...]
  - manual data entry confirms movement
- ASRS

## ASRS vs standard storage

- Standard
  - goods movement request
  - [...]
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  - manual data entry confirms movement
- ASRS
  - goods movement request
  - login to ASRS subsystem
  - time stamped goods retrieval
  - automated confirmation

## The hidden data

- Software and automation
- Always a minimum of valuable data available
- ERP-WMS-WCS conditions vary greatly between projects

# SOLVE FOR X.

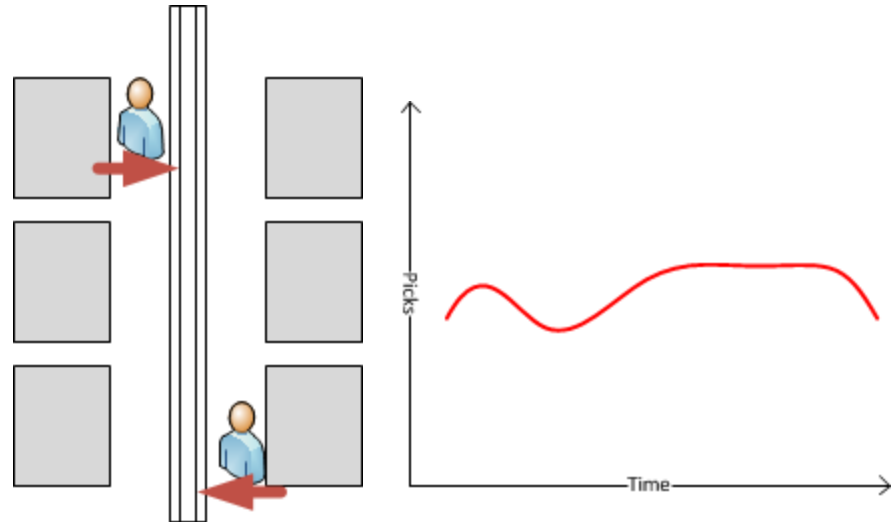
## Reducing complexity

Supervisor	a2cab7b7-bf4b-413c-9...	300	17587	2	C	1d90919f-b6d0-4d95-8ea0-f36a8e8746af	1	StorageRoom01	2	2017-01-06 10:48:15
Supervisor	460c3c86-ebe0-4ef6-a...	200	17586	2	B	1d90919f-b6d0-4d95-8ea0-f36a8e8746af	3	StorageRoom01	2	2017-01-06 10:47:46
Supervisor	f6cf67bb-5ecc-4e49-93...	100	17585	5	A	1d90919f-b6d0-4d95-8ea0-f36a8e8746af	6	StorageRoom01	5	2017-01-06 10:47:22
Supervisor	3f79eeb6-7c42-47d9-8...	200	17584	3		e7201062-8f45-440d-b4b1-6d78aa6a0dff			3	2016-12-19 14:13:37
	01	sys				01	PickOrder		0	
	01	sys		002			PutOrder		0	B 002-01-
	01	sys		001			PutOrder		0	A 001-01-
	01	sys		003			PutOrder		0	C 003-01-

User	Material	Quantity	Σ	Date
=	=	=		=
Supervisor	300	2		2017-01-06 10:48:15
Supervisor	200	2		2017-01-06 10:47:46
Supervisor	100	5		2017-01-06 10:47:22
Supervisor	200	3		2016-12-19 14:13:37
Supervisor	100	2		2016-12-19 14:12:32

## Real world examples and analysis

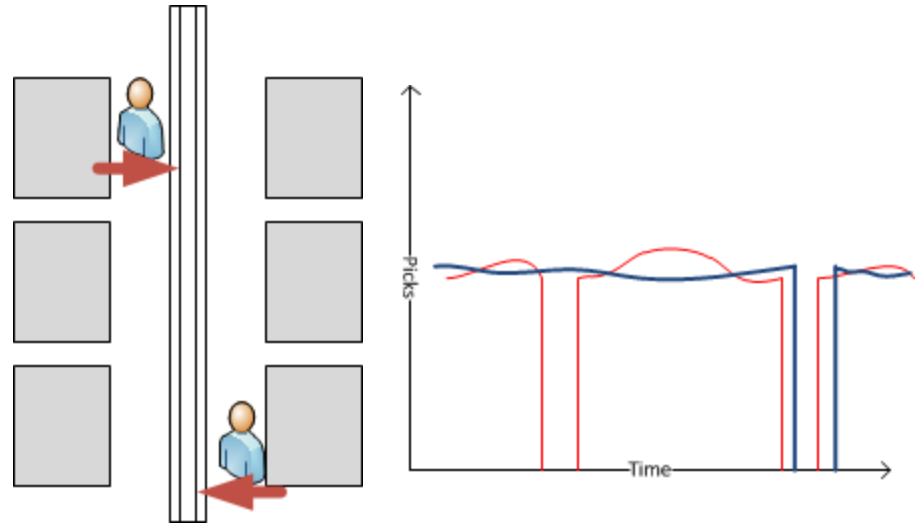
- The classic
  - 6 pick faces
  - 2 pickers
  - overall even rates





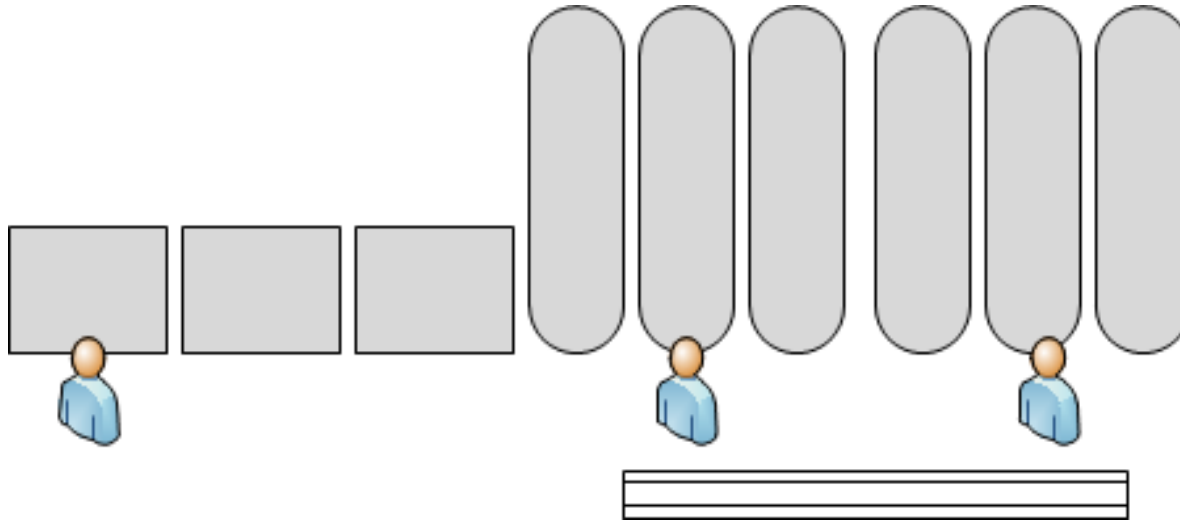
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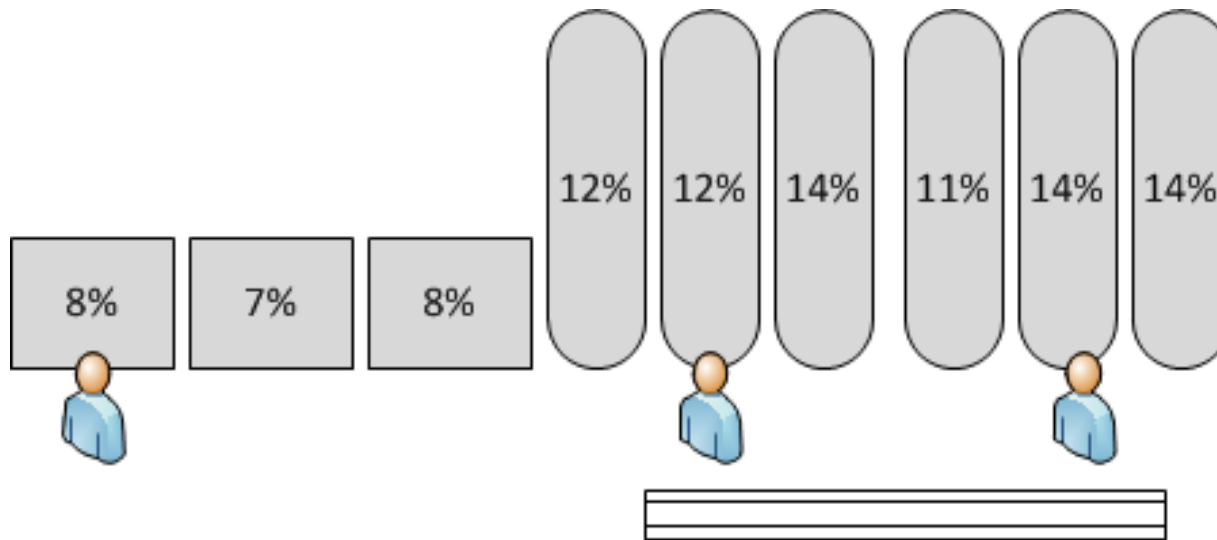
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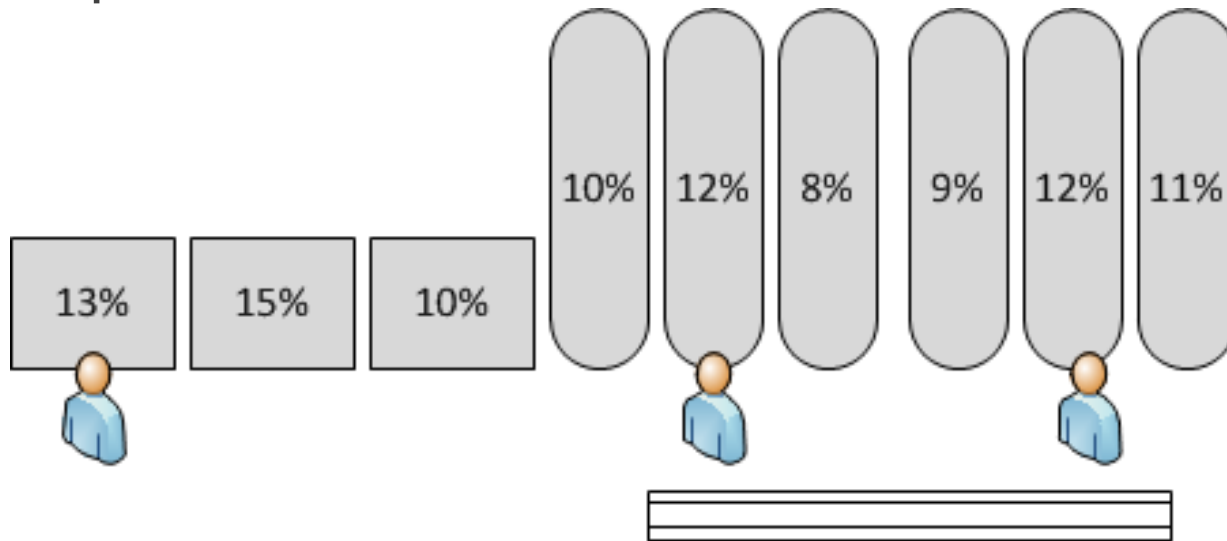
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- The complex



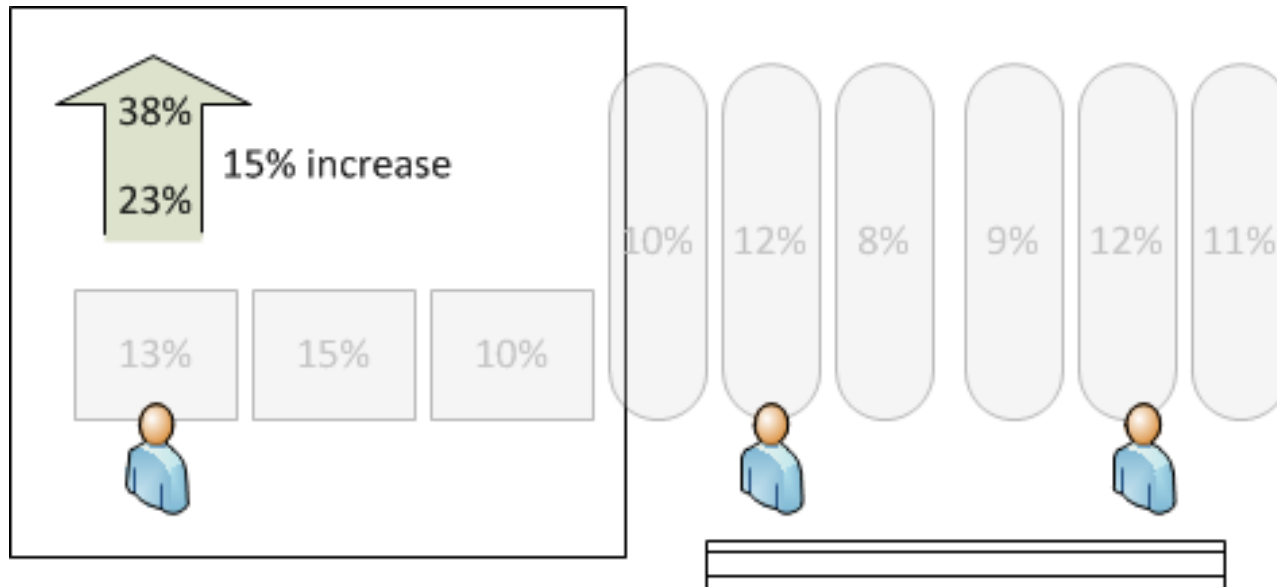
## Real world examples and analysis

- The complex



## Real world examples and analysis

- The complex



## The WMS overlap

- Advanced WMS solutions
- Reporting and combining data
- Bridge the gap, stand alone or plug in

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## ***For More Information:***

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