



The Hong Kong Hospital Authority and GS1 Hong Kong advice: How to start implementation of standards in hospitals?

KC Leung Assistant Training Manager



Optimizing business, creating value



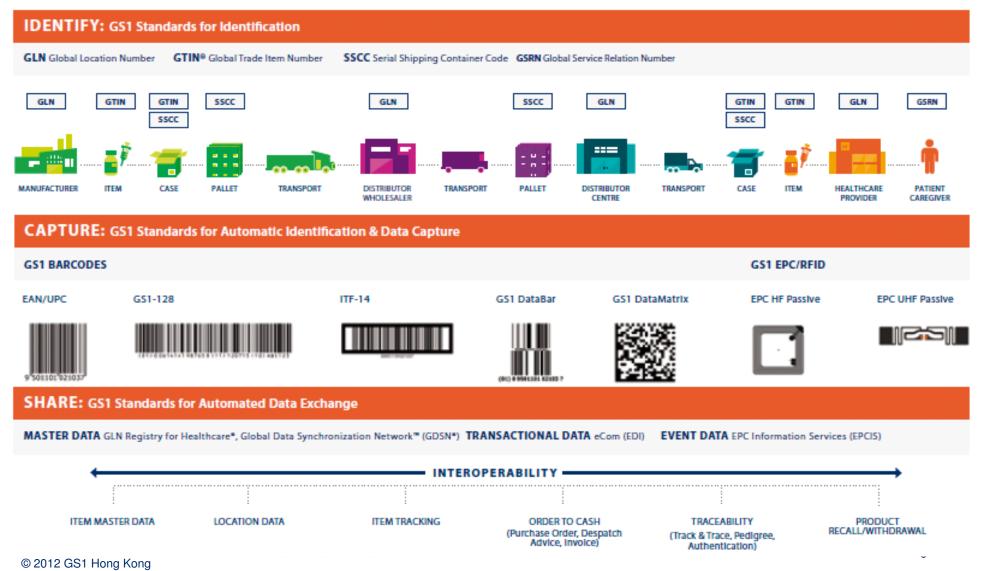
Advise From GS1 HK:

What do you need to do to implement standards?

Advice #1: Involve GS1 to solve your supply chain problems in the begining

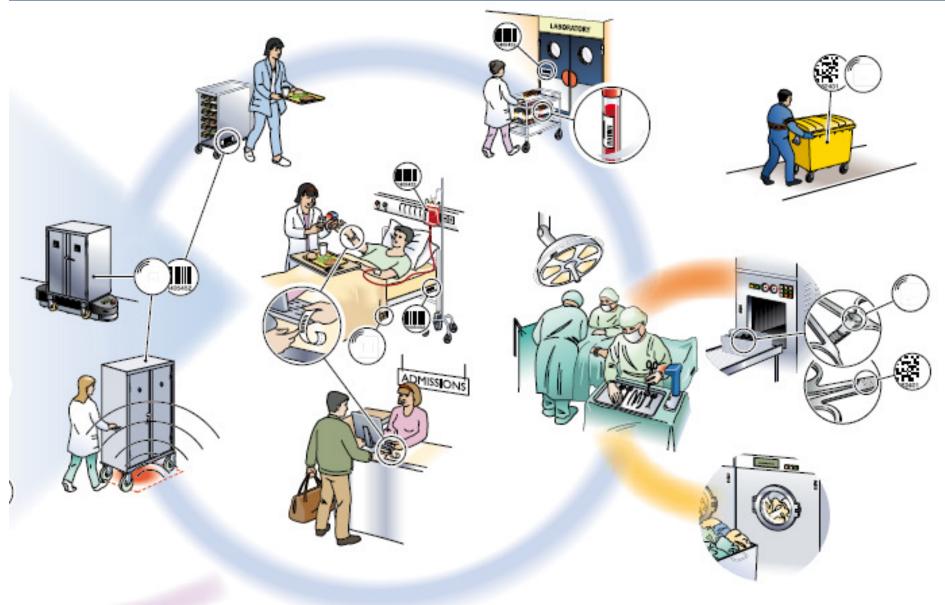


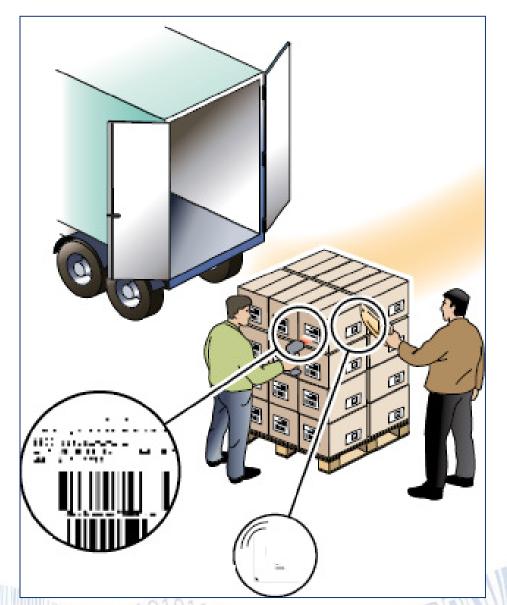
Global supply chain standards and best practices ready for you





Traceability, Patient Safety....





Operation Efficiency



3 elements at the core

GS1 STANDARDS AND SOLUTIONS



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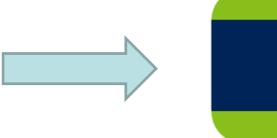




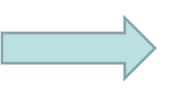


Identify

Product ID











Capture

4891668100029

Traceability
Database



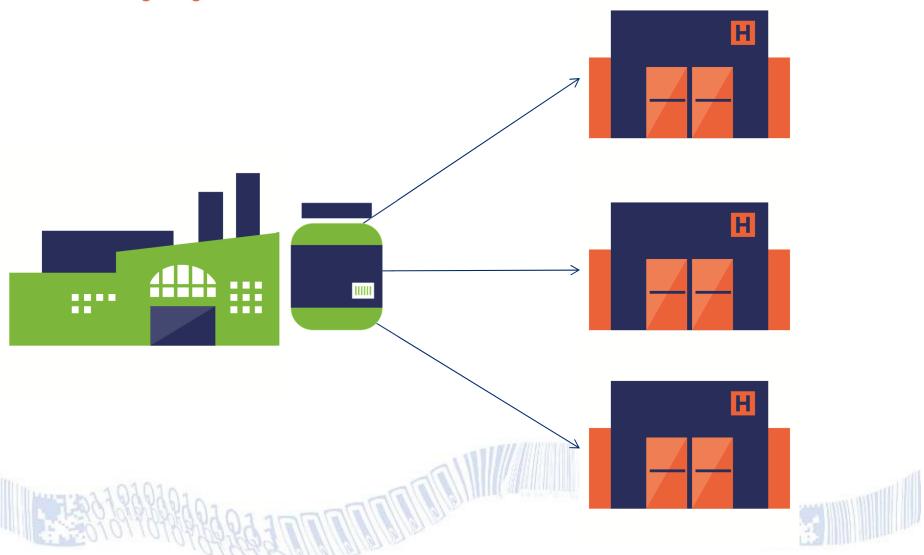
Share







Sell to many hospitals







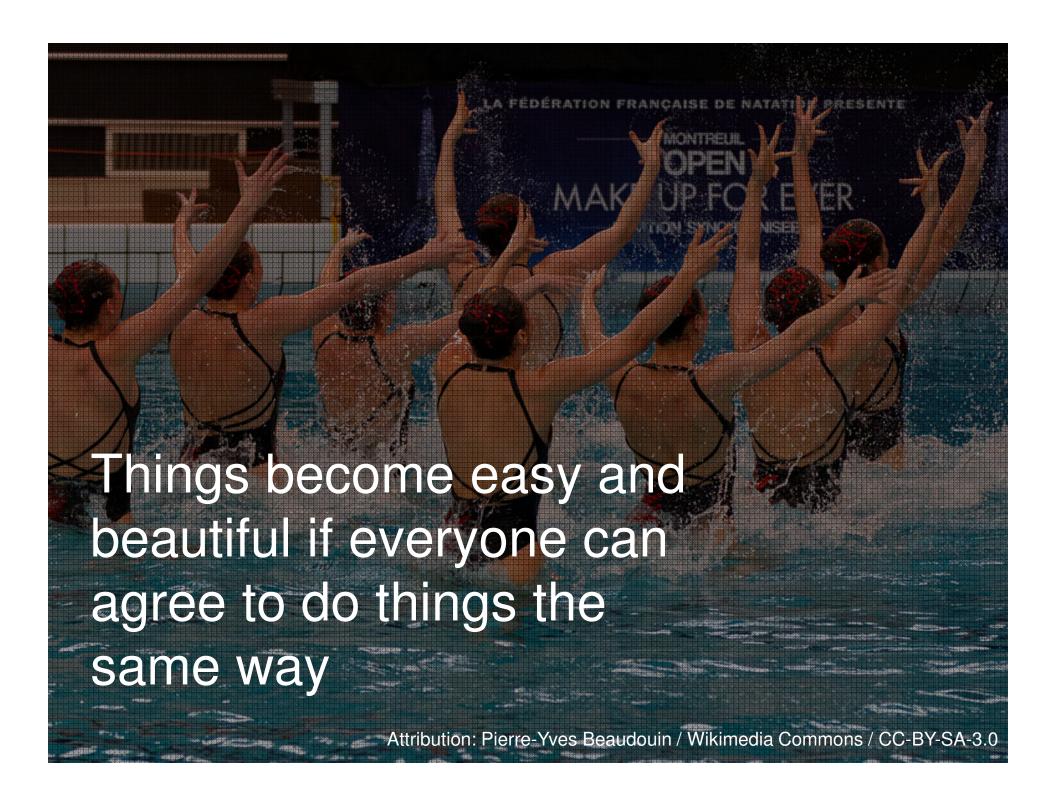




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10-2010







2012 Report McKinsey & Company

Available at:

http://www.gs1.org/healthcare/mckinsey



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"Implementing global standards across the entire healthcare supply chain

could save 22,000-43,000 lives

and avert 0.7 million to 1.4 million patient disabilities"



Every stakeholder will benefit from adopting a single global standard



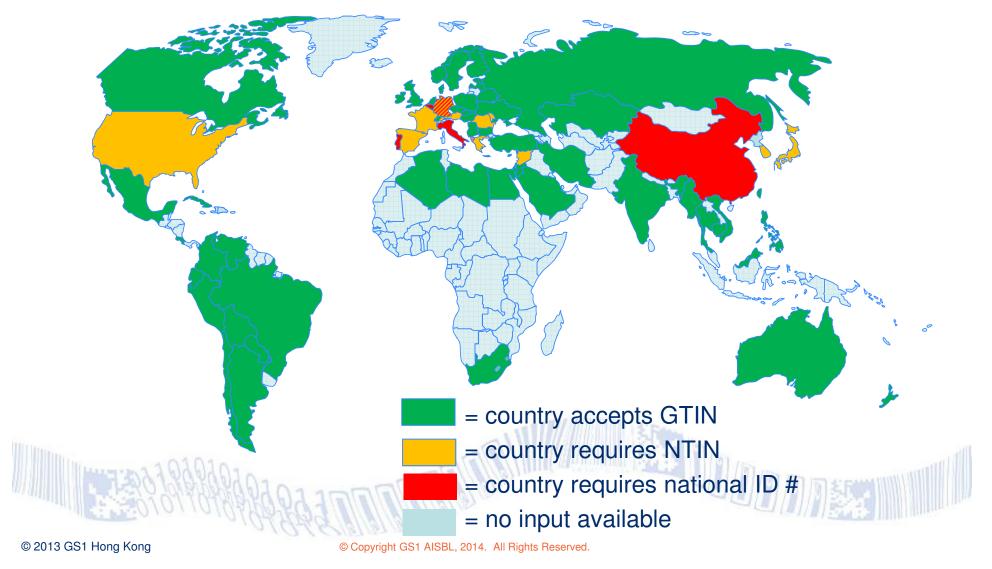
ROI

SOURCE: McKinsey report, "Strength in unity: The promise of global standards in healthcare", October 2012

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Many countries are using Global Trade Item Number for pharmaceuticals





Locally in HK, supply chain solutions ready for our community

The Global Language of Business

((GS)1

Financial Benefits

Customer Services

Brand Loyalty Market Outreach

Efficiency

Visibility

Trust

Quality

Marketing

















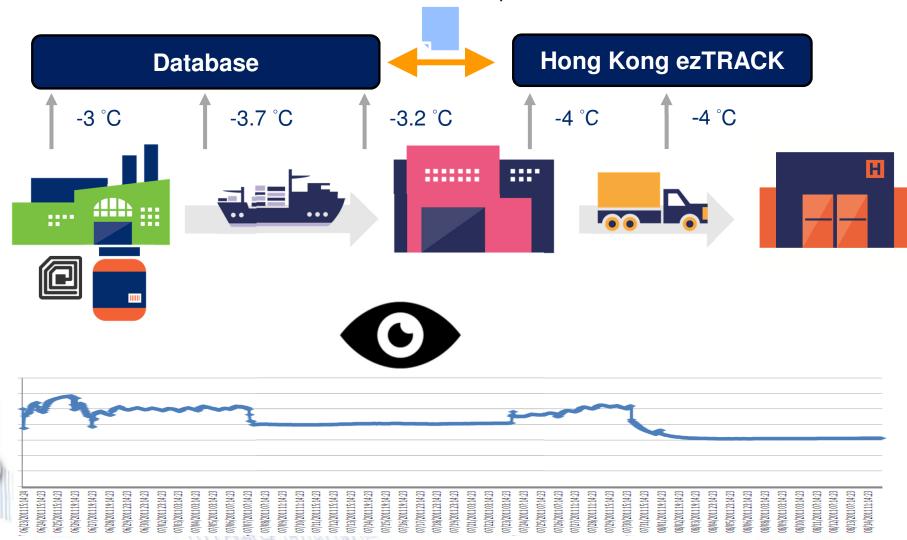


B₂C



Example: Quality Assuranceby Cold Chain

Share location & temperature





Example: Consumer ConvenienceBy Consumer Connect

OTC Drugs



Scan



ABC Pharmacy DEF Pharma

Information

Location

Hospital Authority: Many manual inspection and data entry in warehouses Attribution: Flickr/ilouque

With GS1 Standards and solutions, it's possible to:

- 1. Check the drugs information in advance automatically;
- 2. Automate the data entry;
- 3. Automate track and trace of the drugs.



GS1's Analysis

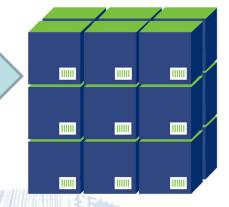




Global Trade Item Number



Serial Shipping Container Code





From: ABC Pharma

17 Tai Ming Road, Kwun Tong, Kln, HK

To: Pamela Youde Nethersole Eastern Hospital 3 Lok Man Road, Chai Wan, HK

SSCC

148916680000000012



GS1-128 **Bar Code**





41 Hospitals





Global Location Number

Hospital Delivery Location at Finance Departments Hospitals





Electronic Purchase Order



- 1. Purchase Order Response
- 2. Advance Shipment Notice
- 3. Invoice

Electronic



24 hrs before delivery

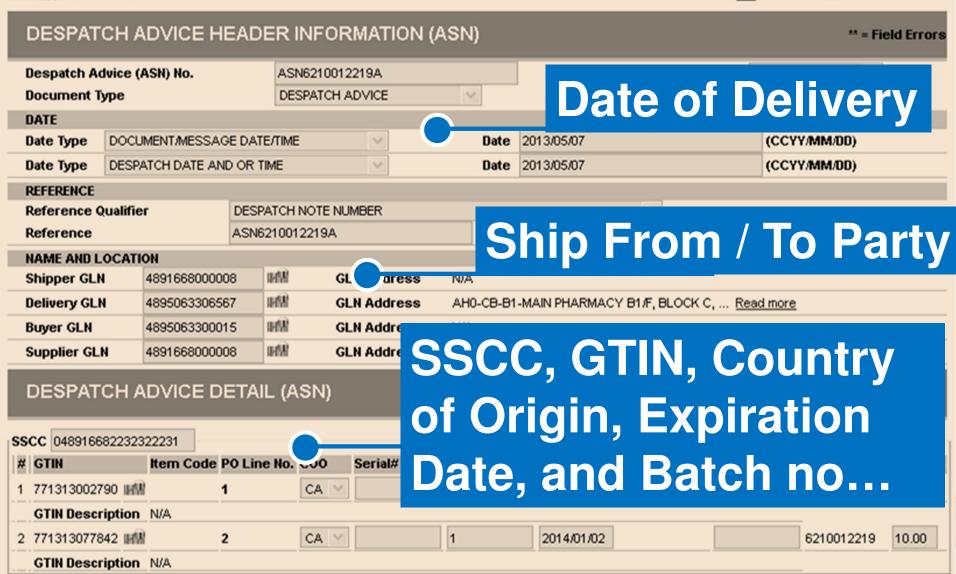
Electronic Advance Shipment Notice





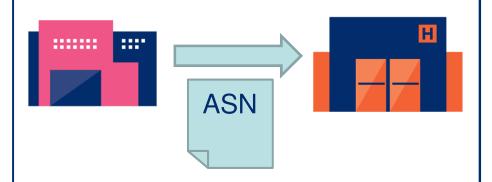


EDI Advance Shipping Notices

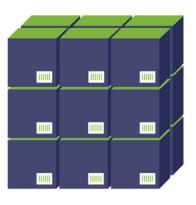




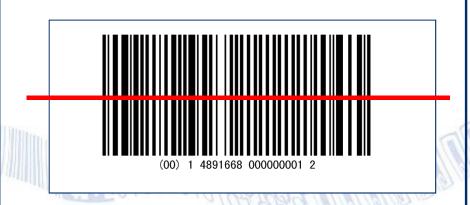




2. Goods arrival at warehouse



3. Scan the SSCC bar code



4. Confirm receipt & update inventory record automatically

GTIN	Qty	Batch No.
489166810002 9	0-2	ABC
489166810003 7	0 -1	DEF

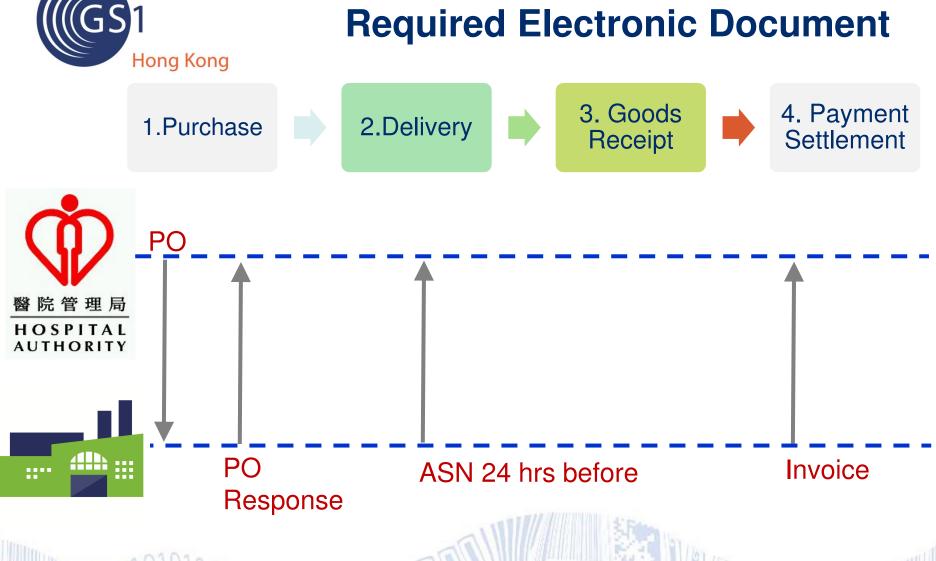
"...If as one people speaking the same

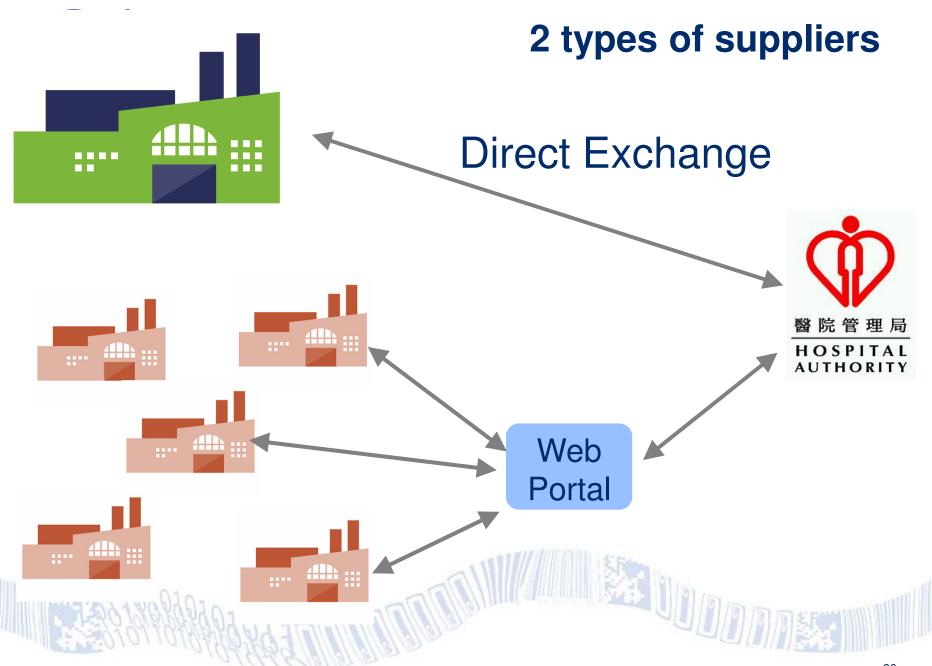
language they have begun to do this, then nothing they plan to do will be impossible for them..."

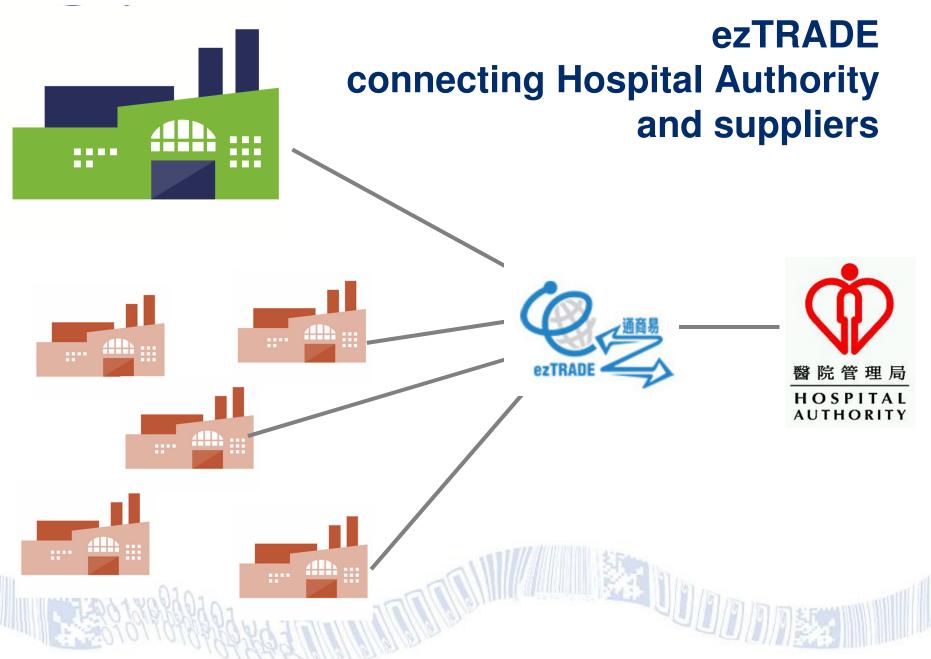
Genesis 11:1-9

Advice #2: Provide suppliers a userfriendly web portal to handle electronic documents











- 1. Since 1995, 1st EDI community platform for the retail and distribution industry in HK
- 2. Suppliers are buyers are connected by a single platform
- 3. Monitored by users committee



> 2,000 Suppliers and Retailers in HK and South China















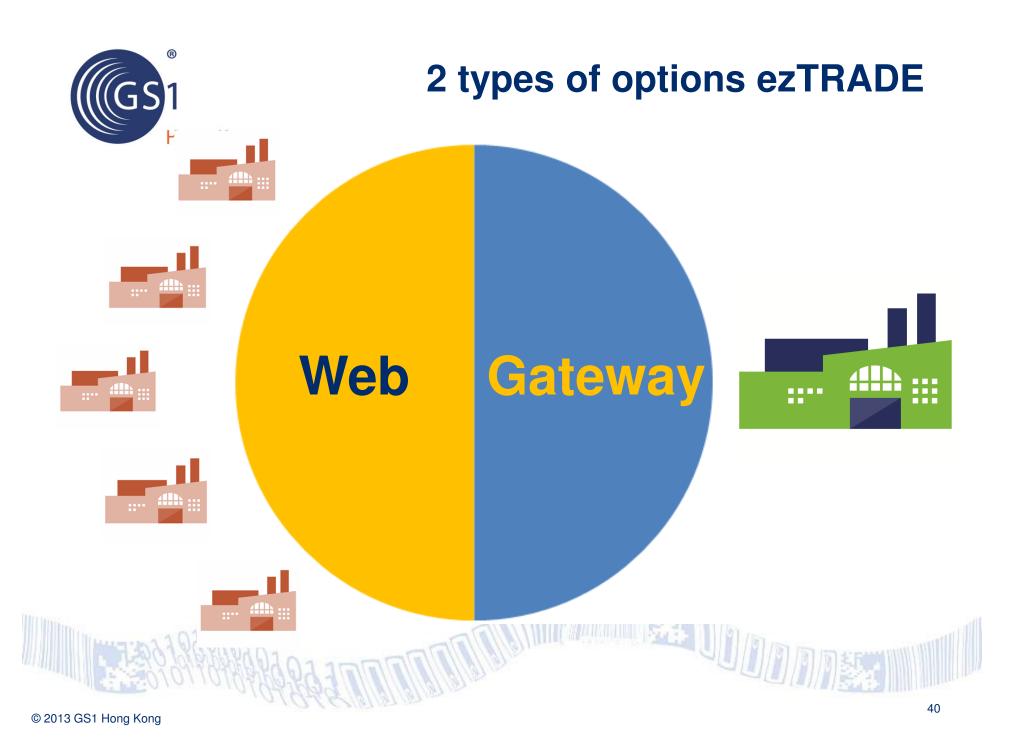








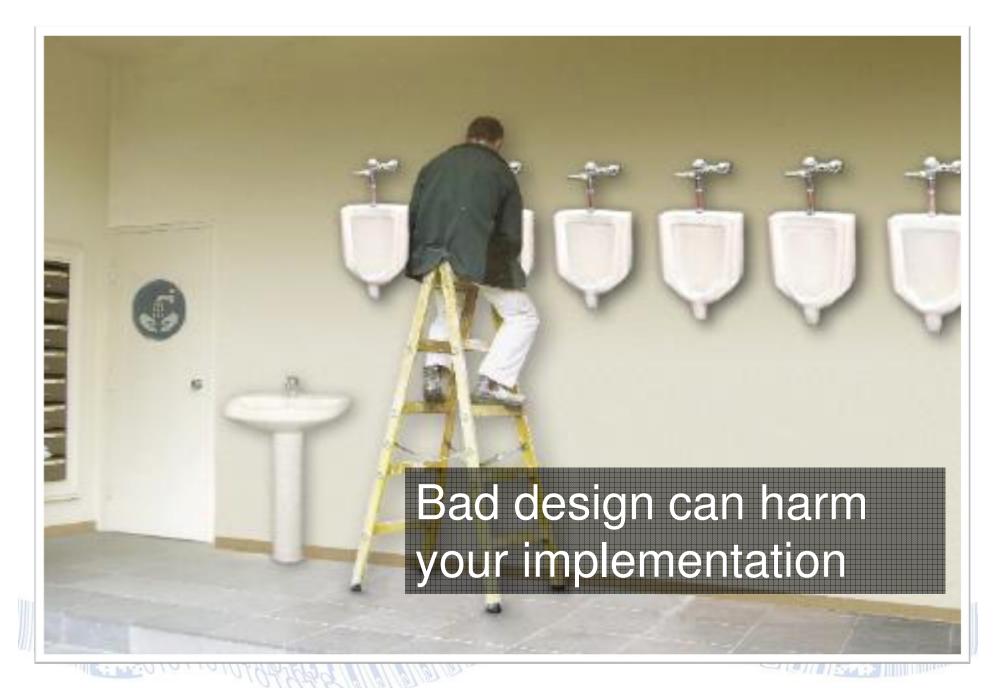


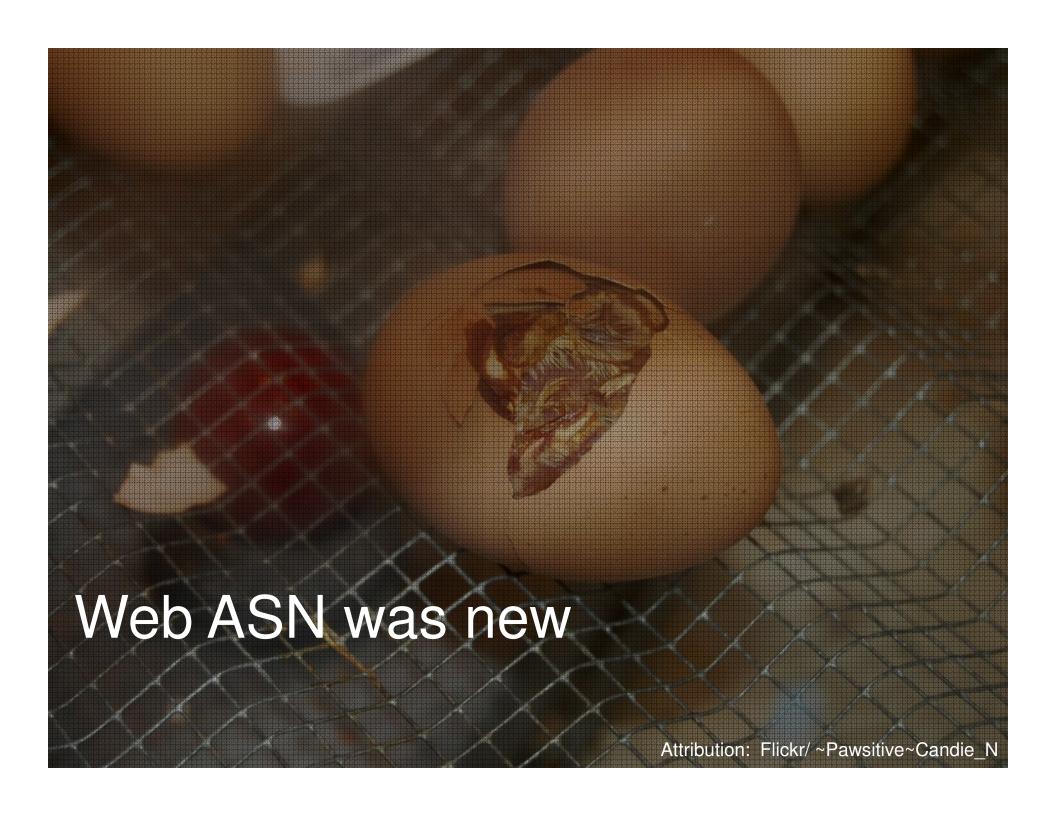


Flat file:

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2	DTM · · · 13720090808 · · · · · · · · · · · · · · · · · ·
3	RFF · · · IA · 12295 · · · · · · · · · · · · · · · · · · ·
4	GO1NADSU-4891668900032
5	GO1NADBY 4893899000000 MANNINGS
6	G04D0C380 · · · · · INV0000 · · · · · · · · · · · · · · · · ·
7	G04NOA9 +000000000180000.00
8	G04NOA38 +000000000001000.00
9	GO4DTM20090101 · · · · · · · · · · · · · · · · · ·
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14	G04NOA38 +00000000011000.00
15	GO4DTM20090201 · · · · · · · · · · · · · · · · · · ·
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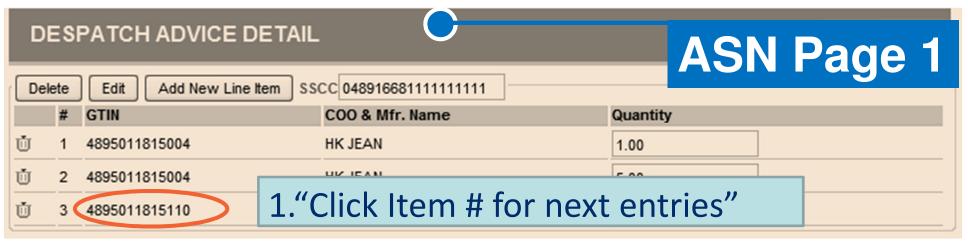
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Company ID: 489166800000 User ID: HKANA View print View/Print Summary Create ASN create PR create Invoice							
Inbox PO RESPONSE	PO INBOX						
Outbox DESPATCH ADVICE	□ <u>PO No.</u>	<u>Ver.</u>	<u>Sender</u>	Date Recv	V	Doc Type	
New Drafts	2110043664	2 🕶	HAHK (ERP)-TEST	2013/07/23	16:59	PO Chan	
Outbox INVOICE	2110043665	1	HAHK (ERP)-TEST	2013/07/23	12:00	Order	
New Drafts	<u> M-708-2013-2</u>	1	GS1 Gateway	2013/07/07	09:59	Order	
Upload Upload List	M-708-2013-1	1	GS1 Gateway	2013/07/07	09:59	Order	
Outbox	MAXIM-0626-2013-4	1	GS1 Gateway	2013/06/26	19:20	Order	
PAYMENT REQUISITION	MAXIM-0626-2013-3	1	GS1 Gateway	2013/06/26	19:20	Order	
New Drafts	MAXIM-0626-2013-2	1	GS1 Gateway	2013/06/26	19:20	Order	
Outbox REMITTANCE	MAXIM-0626-2013-1	1	GS1 Gateway	2013/06/26	19:20	Order	
ADVICE	<u>MITCH-0626-2013-4</u>	1	GS1 Gateway	2013/06/26	19:00	Order	
Inbox REPORT	<u>MITCH-0626-2013-3</u>	1	GS1 Gateway	2013/06/26	19:00	Order	
Audit Trail Error Report	<u>MITCH-0626-2013-2</u>	1	GS1 Gateway	2013/06/26	19:00	Order	
HELP	MITCH-0626-2013-1	1	GS1 Gateway	2013/06/26	19:00	Order	
BULLETIN Register Email	<u>6210012219</u>	2 🕶	HAHK (ERP)-TEST	2013/05/07	13:24	PO Chan	
LOG OUT	<u>1110022271</u>	2 🕶	HAHK (ERP)-TEST	2013/05/07	09:54	PO Chan	

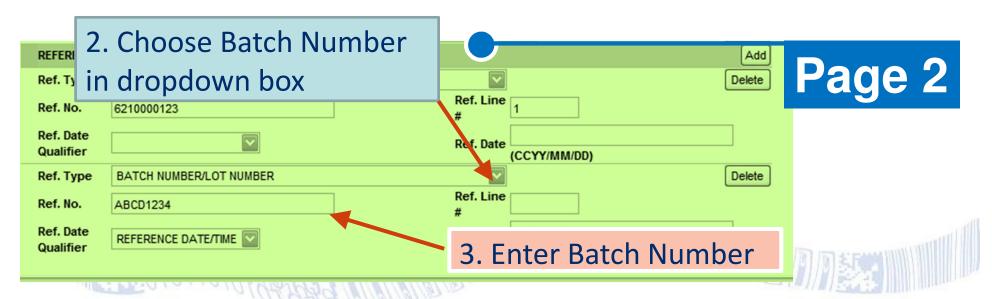






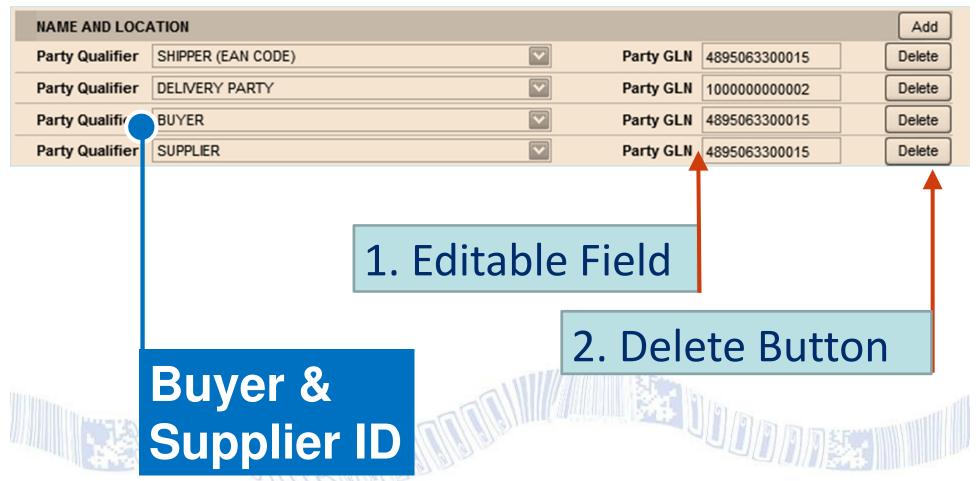
Human get lost with more than 1 page

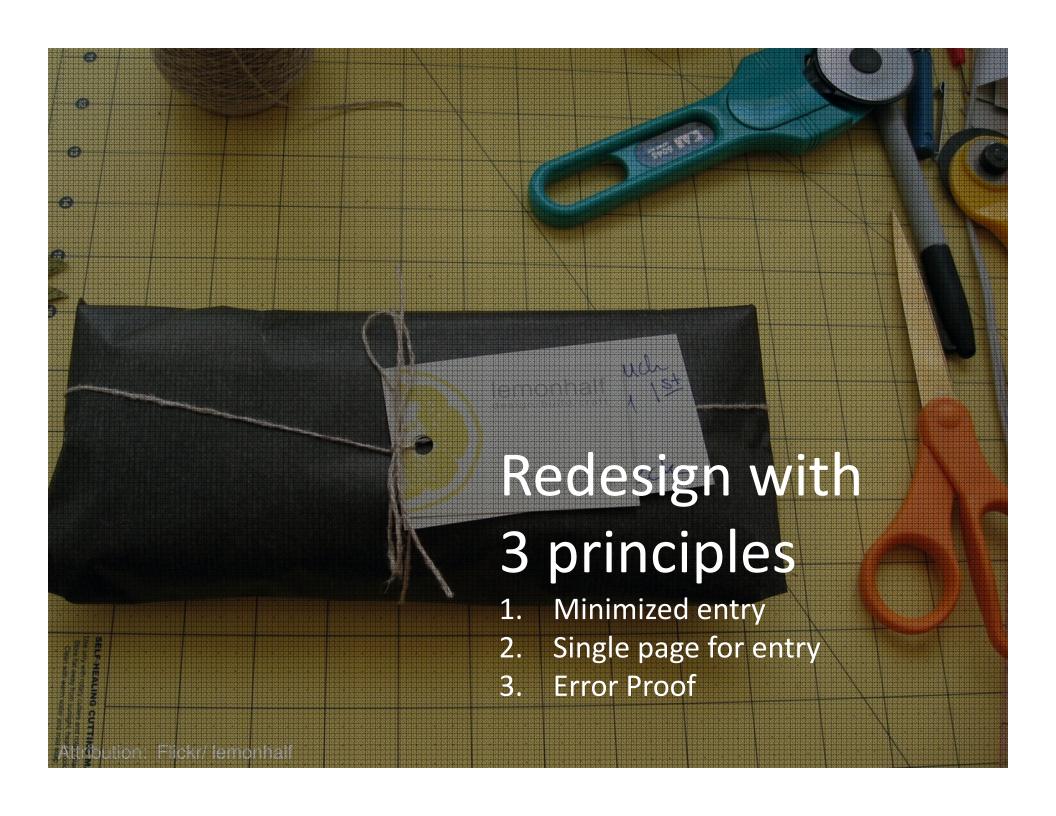






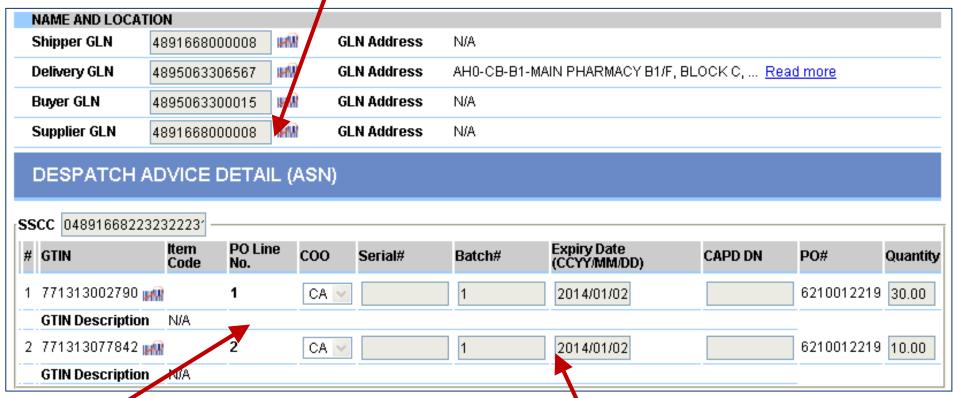
Anything that can go wrong will go wrong, "Murphy's law"







1. No edit, No delete



2. One page only

3. Auto Validation

Advice #3: Have GS1 train and support your suppliers





Supports to suppliers

Specification & Guideline

Training

Referral to printing companies

Tests







Result

In Jun 2012	By Apr 2014
Engaged 14 suppliers	Additional 13 suppliers
70% of order lines	Additional 16 % of order lines
54.61% of total pharmaceutical product	Additional 9.73% of total pharmaceutical product



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