

The Transformation of Manufacturing and Supply Chain by Industrial 3D Printing and 'The Digital Thread'

SAP Leonardo Live

July 12th, 2017





\$61B Revenue
108,000 Vehicles
~2100 Daily Flights
19.1M Daily Deliveries

450,000 employees serve over 220 countries/territories and every address in the U.S. and Europe

Disruption will challenge every company From time to time...

UPS IS NO EXCEPTION

We're accelerating into a future shaped less by countries than by connectivity. Mankind has a new maxim – Connectivity is destiny – and the most connected powers, and people, will win. – Parag Khanna



Three Key On Demand Manufacturing Use Cases Have Emerged



Virtual Warehouse

Legacy Part Re-engineering

On Demand Products



New, on-demand and custom products and business models

On Demand Manufacturing



Instant access to production capacity

Prototypes & Volume Production

The Vision: Global On-Demand Manufacturing Capabilities



COMBINING THE OLD WITH THE NEW TO UNLOCK VALUE



Accelerating the Next Industrial Revolution World Economic Forum – Davos 2017







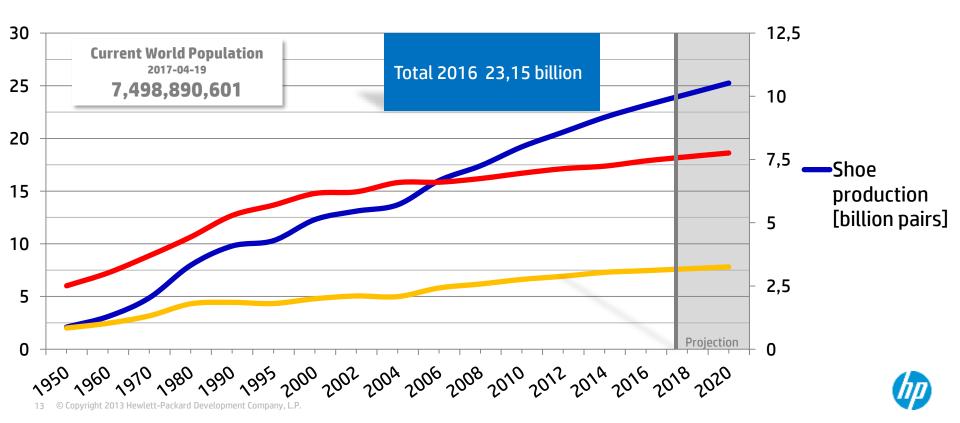


As mass production is being replaced with "lot size 1", supply chains with long order fulfillment processes are replaced, making room for "just-in-time" onshore, localized production and distribution.

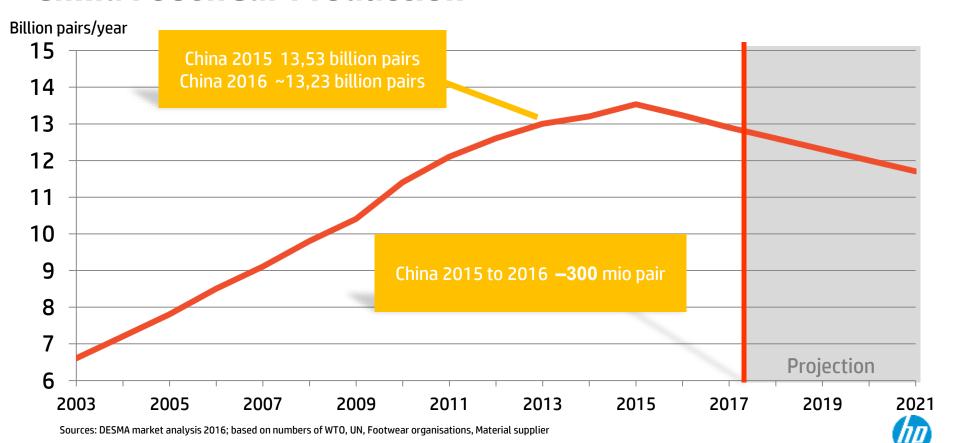
Design will become increasingly democratized as the dominance of brands gives way in favor of open business models.



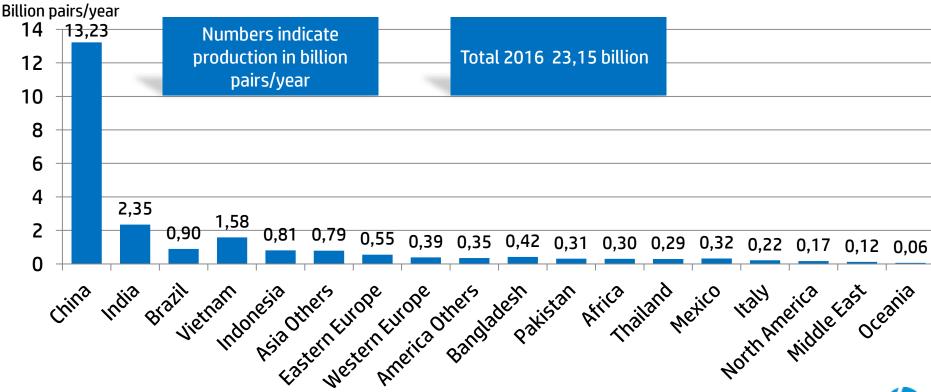
Global Footwear Production and Consumption



China Footwear Production

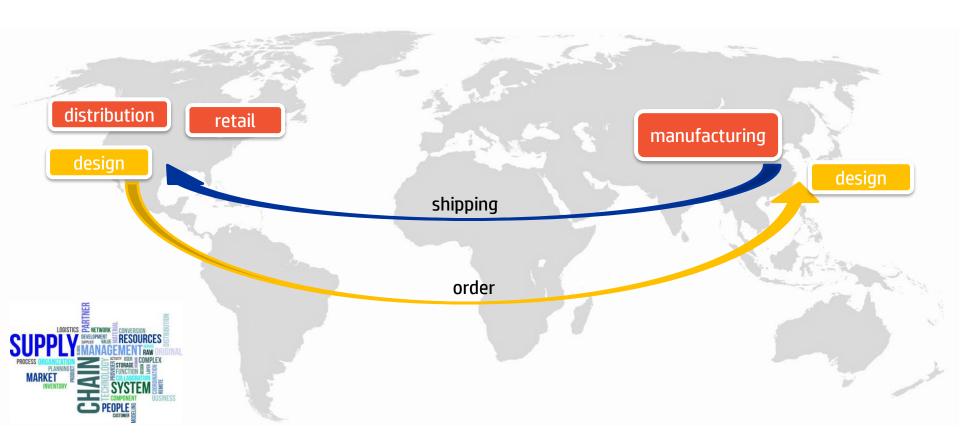


2016 Production in Countries and Regions

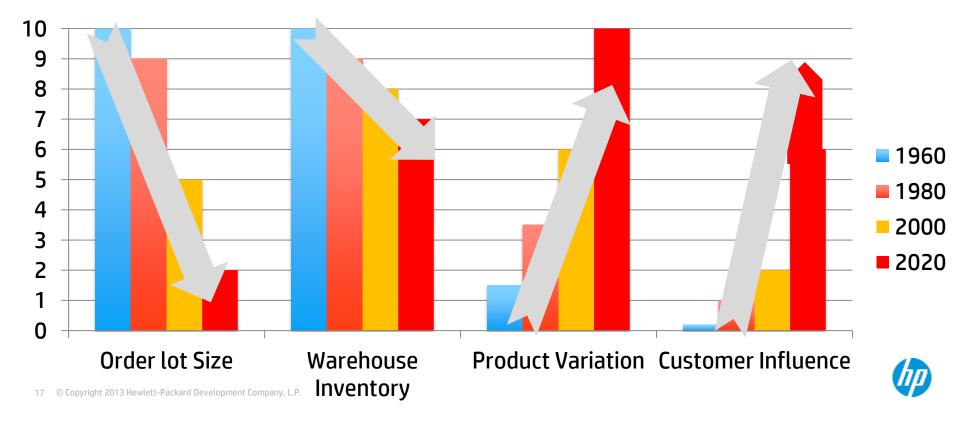




Supply Chain 2016



Development of the Footwear Industry over 60 years



Driving digital transformationSilicon Valley Neighbors, 28 Year Relationship



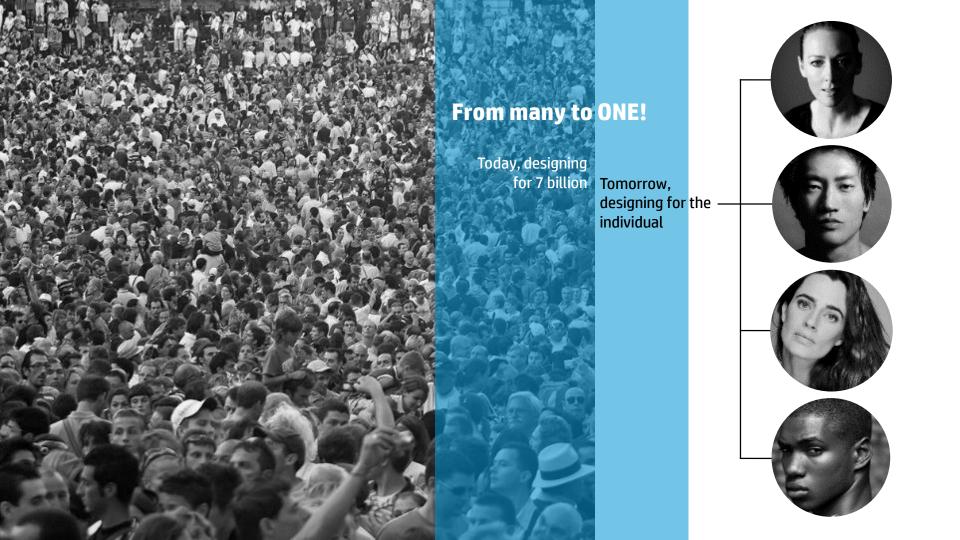
- Strategic Supplier to SAP
 - Personal and Mobility Systems
- Member of SAP Strategic Customer Program
- Select SAP Global Technology Partner
- Additive Manufacturing Market-Maker & SAP GTM Partner
- Growing Co-Innovation and Go-To-Market Partner



- Strategic Supplier to HP
 - SAP Finance & Enterprise Resource Planning
 - SAP Supply Chain and Demand Chain Management
 - SAP Hybris and Concur (T&E)
 - SAP Multi-channel Consumer Relationship Management
- Select HP Global Independent Software Vendor
- HP Business, Platform & Co-Innovation Partner







Let us walk you through the future Customer Experience







SAP Distributed

Manufacturing







Business Network of Distributed Manufacturing

HP Manufacturing & Procurement Cloud

NEAR FUTURE FULL CUSTOM SHOES



Custom Midsoles



Custom Outsoles



Custom Uppers

UNIQUE TO BRANDS

SAP Hybris

Customer ID

Online Purchase