ZERO-INTERVENTION PRODUCTION

INCREASING OEE WITH SIX THETA®

Morten Just Blangsted
Senior Partner
THE PREMIUM OPERATIONS CONSULTING FIRM IN EUROPE

Established
2000

Nationalities employed
+10

Operating countries
40

Val = Value + con = consulting
MORTEN JUST BLANGSTED
SENIOR PARTNER

EXPERTISE
• Supply chain management
• Operations management
• Leading transformations

CLIENTS
• Novo Nordisk
• Ferring Pharmaceuticals
• Takeda
• MAN Energy Solutions
• ConvaTec

20 years of experience from the pharmaceutical industry
AGENDA

1. SIX THETA® – THE STORY
2. SIX THETA® – NOVO NORDISK
3. SIX THETA® – THE BIGGER PICTURE
\[ DWI = \sum W_S \frac{\sum W_D}{n} \]
SIX THETA® DESIGN ELIMINATES OVER-CONSTRAINTS

SIX THETA® NON-COMPLIANT DESIGN

SIX THETA® COMPLIANT DESIGN
SIX THETA® – NOVO NORDISK
ZOOMING INTO ONE OF THE PROBLEMS: ALIGNMENT OF NEEDLE AND AMPOULE
EXISTING LEVEL OF MISALIGNMENT
SIMULATED VENDOR-DESIGNED ALIGNMENT

COLLISION

OK

LIMIT
SIX THETA® ALIGNMENT – IN CONTEXT

- COLLISION
- OK
- LIMIT

Graph showing data points with categories COLLISION, OK, and LIMIT.
EXISTING AND SIX THETA® SOLUTION
GLOBAL PRODUCTION AMOUNTS TO USD 10,000 BILLION

GLOBAL INDUSTRY EMITS IN TOTAL 8 GIGA TON CO2

GLOBAL SCRAP RATE IS 4% – BY ELIMINATING IT TO 2%, WE WILL SAVE USD 200 BILLION AND 160 MEGA TON CO2 EQUALING 4 YEARS OF CO2 EMISSIONS FROM FLYING

Source:
1) Brookings (https://www.brookings.edu/research/global-manufacturing-scorecard-how-the-us-compares-to-18-other-nations/)
3) EPA, United States Environmental Protection Agency (https://www.epa.gov/ghgemissions/global-greenhouse-gas-emissions-data)
ZIP

ZERO-INTERVENTION PRODUCTION
MEET ME AT STAND NO. 24

Morten Just Blangsted
Senior Partner

sixtheta.com

valcon.com