Forward thinking supply chains

11 - 14 June 2023
45th Annual SAPICS Conference
Century City Conference Centre, Cape Town, South Africa

DDMRP @ GEDORE South Africa
Banzi GOMBA & Tony RICE
GEDORE GROUP

- Founding year: 1919
- Family owned
- Brand: Gebrüder Dowidat Remscheid
- Headquarters: Remscheid, Germany
- > 2300 employees
- 8 production facilities
- > 90 countries
GEDORE PRODUCT PORTFOLIO

>16,000 SKUs

>1,000 SKUs
GEDORE SOUTH AFRICA TRUE NORTH
(True North through Aircraft Analogy)

Path: Operational Excellence Framework

Level 1.2
By 2021

Level 3.0
By 2022

Level 4.0
By 2023/24

True North/Destination:
Zero harm, profitable manufacturing site now and in the future (Level 5)

Level 5.0

1. Creating a solid foundation
- Organised work environment
- Standardised work
- Quality control & Quality assurance

2. Creating a Continuous improvement culture
- Kaizen events & "Go to Gemba"
- Short Interval Management
- Work In Process (WIP) control

3. Creating Stable & Efficient processes
- Lean Management
- Waste elimination & Flow
- Total Productive Maintenance

4. Creating Capable process
- Six Sigma
- Reducing variation
- Statistical analysis

5. Creating Reliable products
- Product Lifecycle Management
- Design for Six Sigma
- Reliability engineering

World Class

Capable

Predictable

Managed

Structured

THE LEADING EVENT IN AFRICA FOR SUPPLY CHAIN PROFESSIONALS
THE BRAIN OF THE AIRCRAFT
(Flight Management System)
GEDORE SOUTH AFRICA FLIGHT MANAGEMENT SYSTEM
(Gedore South Africa Demand Driven Operating Model)
## GEDORE TOOLS S.A. (PTY) LTD
### DDMRP RECOMMENDATIONS - WEEK 20 - TRADED ITEMS

<table>
<thead>
<tr>
<th>Available Stock</th>
<th>Supplier</th>
<th>ItemCode</th>
<th>Description</th>
<th>Order Rec</th>
<th>ValueRec</th>
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<td>File, Flat, 2nd Cut, 250mm</td>
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### DEMAND DRIVEN SCHEDULING

(Sample Screen)

| Item Code | Description | Update | Job No | Forgiving Priority | Job Qty | Min | Off Qty | Surplus Qty | Child IOH | Parent IOH | Parent IOH Zone | Parent IOH Date | Parent IOH Time | QTY Rem | Run Time | Start Set | Last Set | Last Run Time | Stop Run Time | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri |
|-----------|-------------|--------|--------|-------------------|---------|-----|---------|------------|----------|-----------|----------------|----------------|---------------|---------|---------|---------|---------|-------------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| S1-1-033267 | 36/400 Tyre Lesser | 24-Mar-21 11:00 AM | FOR04333 | 1.40 | 1.00 | 25 | 1.00 | 4.817 | 1.00 | 1.00 | 0.40 | 24/05/15:00 | 3.00 | 25/05/10:15 | 10.6 | 25/05/10:00 | 648 | 302 | 368 | 344 |
| S1-1-102174 | WF-1-2 17X19 Mm Ring Sp 1 | 1 FOR03622 | 1.30 | 2.00 | 7 | 2.00 | 17.469 | 1 | 2.00 | 0.18 | 25/05/10:30 | 3.00 | 25/05/13:00 | 10.1 | 25/05/15:59 | 658 | 1344 |
| S1-1-103140 | WF-1-2 17X19 Mm Ring Sp 2 | 1 FOR03622 | 1.30 | 2.00 | 7 | 2.00 | 17.469 | 1 | 2.00 | 0.16 | 25/05/11:00 | 3.10 | 25/05/12:10 | 7.1 | 25/05/12:12 | 300 | 1700 |
| S1-1-262303 | WF-1-2 17X19 Mm Ring Sp 3 | 1 FOR03622 | 1.30 | 2.00 | 7 | 2.00 | 17.469 | 1 | 2.00 | 0.16 | 25/05/11:30 | 3.10 | 25/05/13:40 | 7.1 | 25/05/12:12 | 300 | 1700 |
| S1-1-061721 | WF-1-2 18X20 Mm Ring Sp 1 | 1 FOR0367 | 0.09 | 1.00 | 11 | 1.00 | 23.203 | 501 | 1.00 | 0.18 | 25/05/14:30 | 6.7 | 25/05/16:24 | 6.5 | 25/05/12:53 | 1000 | 1000 |
| S1-1-061003 | WF-1-2 20X20 Mm Ring Sp 1 | 1 FOR0384 | 0.16 | 2.00 | 29 | 1.15 | 6.508 | 1.36 | 1.00 | 0.16 | 25/05/12:33 | 6.7 | 25/05/16:24 | 6.5 | 25/05/14:05 | 1000 | 1000 |
| S1-1-061006 | WF-1-2 10X14 Mm Comb. Sp 1 | 1 FOR03863 | 0.16 | 2.00 | 26 | 1.15 | 6.508 | 1.36 | 1.00 | 0.16 | 25/05/12:33 | 6.7 | 25/05/16:24 | 6.5 | 25/05/14:05 | 1000 | 1000 |
| S1-1-010191 | WF-1-2 10X14 Mm Comb. Sp 2 | 1 OnRec | 0.17 | 1.00 | 10 | 1.00 | 0.500 | 1 | 1.00 | 0.17 | 25/05/12:33 | 6.7 | 25/05/16:24 | 6.5 | 25/05/14:05 | 1000 | 1000 |
| S1-1-050004 | WF-1-2 10X14 Mm Comb. Sp 3 | 1 OnRec | 0.18 | 1.00 | 14 | 1.00 | 12.560 | 1 | 1.00 | 0.16 | 25/05/11:07 | 6.1 | 25/05/16:24 | 6.5 | 25/05/14:05 | 1000 | 1000 |
| S1-1-060241 | WF-1-2 10X14 Mm Comb. Sp 4 | 1 OnRec | 0.25 | 1.00 | 21 | 1.00 | 11.662 | 1 | 1.00 | 0.15 | 25/05/16:15 | 6.7 | 25/05/16:24 | 6.5 | 25/05/14:05 | 1000 | 1000 |
| S1-1-060100 | WF-1-2 20X20 Mm Comb. Sp 1 | 1 OnRec | 0.30 | 2.00 | 12 | 1.00 | 23.203 | 2.556 | 1.00 | 0.17 | 25/05/12:33 | 6.7 | 25/05/16:24 | 6.5 | 25/05/14:05 | 1000 | 1000 |
| S1-1-060104 | WF-1-2 20X20 Mm Comb. Sp 2 | 1 OnRec | 0.42 | 2.00 | 8 | 1.00 | 6.508 | 2.418 | 1.00 | 0.16 | 25/05/12:33 | 6.7 | 25/05/16:24 | 6.5 | 25/05/14:05 | 1000 | 1000 |
| S1-1-060102 | WF-1-2 20X20 Mm Comb. Sp 3 | 1 OnRec | 0.44 | 2.00 | 12 | 1.00 | 23.203 | 2.556 | 1.00 | 0.17 | 25/05/12:33 | 6.7 | 25/05/16:24 | 6.5 | 25/05/14:05 | 1000 | 1000 |
| S1-1-060101 | WF-1-2 20X20 Mm Comb. Sp 4 | 1 OnRec | 0.60 | 2.00 | 6 | 1.00 | 12.560 | 1.275 | 1.00 | 0.15 | 25/05/12:33 | 6.7 | 25/05/16:24 | 6.5 | 25/05/14:05 | 1000 | 1000 |
| S1-1-010091 | WF-1-2 10X14 Mm Comb. Sp 1 | 1 OnRec | 0.80 | 1.00 | 11 | 1.00 | 12.560 | 1 | 1.00 | 0.16 | 25/05/16:15 | 6.7 | 25/05/16:24 | 6.5 | 25/05/14:05 | 1000 | 1000 |
| S1-1-010090 | WF-1-2 10X14 Mm Comb. Sp 2 | 1 OnRec | 0.21 | 0.00 | 4 | 1.00 | 12.560 | 1.304 | 4 | 0.16 | 25/05/16:15 | 6.7 | 25/05/16:24 | 6.5 | 25/05/14:05 | 1000 | 1000 |

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**THE LEADING EVENT IN AFRICA FOR SUPPLY CHAIN PROFESSIONALS**

**SAPICS**

THE PROFESSIONAL BODY FOR SUPPLY CHAIN MANAGEMENT
DEMAND DRIVEN S&OP

(Typical Agenda)

1. Business Health Review
2. Value Stream Health Review
3. New Product Introduction Review
4. Ad-Hoc Forecast Review
5. Business Trends Review
6. SIOP Log Sheet Review
4 FORCES OF AIRCRAFT PERFORMANCE

(Aircraft Performance = Gross Profit/Operating Expenses)
AIRCRAFT PERFORMANCE

Aircraft Performance = \( \frac{\text{GP}}{\text{OE}} \)

Red Zone

Amber Zone

Green Zone

1.00ft

1.20ft

1.00ft

The Leading Event in Africa FOR SUPPLY CHAIN PROFESSIONALS
AIRCRAFT PROCESS CAPABILITY

(Stock Outs)

Factory Value Stream Inventory Health

Dark Reds = Stock Outs
STORIES

• Banzi’s Management Style
• Tony’s Role
• Syspro Host ERP + Fast Excel Development Template for DDMRP
• Demand at many levels of the BOM
• Component ADU for overstocked finished products
• Herbie (the constraint) is in the Toolroom
• Dispatch Schedule
• Assembling sets
• Supplier performance
• Customer delivery performance
Banzi’s Management Style

- Collaborative
- Analytical / Quantitative
- Performance measured
- Accountability
Integrated Supply Chain Management with Excel Based Modules

ERP System

Master Module
- Data Interface
- Parameters
- BOM Processor
- Capacity Planning
- Inventory Management
- Reports

Supply Chain Management Modules
- A Configured System

Development Template
- Fast Excel Development Method

Microsoft Excel

Our Tool
- Know How
- Foundation
Q&A