HOW VM CAN HELP – MANUFACTURING/VM TOOL "ROUTE MAP" – VM TOOL SELECTION – PROCUREMENT "OVERLAY"

Note: Asset Life Cycle Stages shown in Black Text
Tool to Use shown in Red Text
Benefit from Using Tool shown in Green Text

1. DEVELOPMENT

Market Research

Opportunity Identified

Product Brief Drafted

Product Concepts Proposed

Product Concept Selected

Product Fully Specified

Product Prototyped Tested, Approved

Product Design Frozen

2. PRODUCTION

Internal Manufacturing Facilities Created

Process Control & Quality Management Systems created

Operator Training

Pilot Build

Production Ramp-Up

Production Stable

Make v. Buy

Supplier tenders submitted

Supplier Assessment

Suppliers Selected

Part Samples submitted

Part samples approved

Bulk orders placed

Bulk orders delivered

Sample Quality Audit

Parts to Manufacturing Cell

Management Awareness of VM – trains suppliers management team in VM, their role, how to support VM, what's in it for them etc.

Supply Chain Analysis - Identifies what &where costs are added

Supplier Total Cost Profiling – identifies actual process costs.

Supplier's process Stakeholder Analysis – Identifies all who can influence/be influenced by the process under study.

Kaizen* at Suppliers Plant – identifies waste, cost drivers etc.

Suppliers Process FMEA – identifies possible failure modes of suppliers processes, enabler for prevention planning etc.

Fax-Bans – pulls parts from supplier direct to cell

Product VA with supplier – identifies design issues affecting supplier

3. DISPOSAL

***** In the Mira VM Process, Kaizen includes the PDCA Cycle approach to problem solving, continuous improvement, Flow Process Analysis, Administrative Flow Process Analysis, Waste Analysis, Cost of Quality, Multiple Activity Charting, Cause & Effect Analysis etc.

Note: All suggested VM tools shown above are applied using a joint team consisting of Mira and the Supplier(s) personnel, to promote the philosophy of "joint problems leading to joint solutions".