

THE 10 PRINCIPLES OF AGILE MANUFACTURING

1 TOP PRIORITY IS TO SATISFY THE CUSTOMER THROUGH THE DELIVERY OF VALUABLE PRODUCTS ACCORDING TO UNIQUE REQUIREMENTS DEFINED BY MARKET NEEDS

CHANGING REQUIREMENTS, EVEN IN AN ADVANCED DEVELOPMENT STAGE, IS NOT A CRITICAL ISSUE. AGILE PROCESSES LEVERAGE CHANGE FOR CUSTOMER COMPETITIVE ADVANTAGE **2**

3 CONCURRENT ENGINEERING IS A PREREQUISITE FOR AGILE MANUFACTURING: PRODUCT AND PROCESS DESIGNERS COLLABORATE SYNERGISTICALLY TO IMPLEMENT AGILE SYSTEMS

AGILITY REQUIRES THE DESIGN OF SETUPS CAPABLE OF RECONFIGURING THE SYSTEM AS FAST AND AUTONOMOUSLY AS POSSIBLE **4**

5 INTEGRATED, SHORT, NEAR-SITE SUPPLY CHAINS IMPROVE RESILIENCE AND SPEED RESPONSIVENESS TO CHANGE

NEW TECHNOLOGIES, MOSTLY DIGITAL, ENHANCE LEAN PRINCIPLES IN ORDER TO ELIMINATE EVERYTHING THAT IS NOT VALUE FOR THE CUSTOMER **6**

7 DECENTRALIZATION IMPROVES THE EFFICIENCY OF DECISION MAKING, INCREASES MOTIVATION AND CREATIVITY BY GIVING MORE RESPONSIBILITY TO LOWER LEVEL MANAGERS

INCREASING COMPLEXITY INVOLVES RISKS THAT MUST BE MINIMIZED THROUGH A MULTIDISCIPLINARY APPROACH AND APPROPRIATE RISK MANAGEMENT **8**

9 WITHOUT QUALITY THERE CAN'T BE AGILITY. THEREFORE, IT BECOMES FUNDAMENTAL TO DEVELOP ROBUST PROCESS CAPABILITIES

INNOVATION, CHANGE MANAGEMENT AND LIFELONG LEARNING AT ALL LEVELS ARE FUNDAMENTAL ELEMENTS FOR AGILE MANUFACTURING **10**



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