Introduction

MothersonSumi INfotech & Designs Limited

Security level: For Intended Recipients Only

Proud To Be Part Of The World's Best Brands

Wiring Harness

Wiring Harnesses

Wires & Components

Power Cabinets

Vision Systems

Exterior & Interior Mirrors

TTT Mirrors

Camera Systems

Retail & Services

Intelligent Cooling Systems

Compressors

Accessories for Moulding Machines

Paint Coating Equipment

Waste Recycling System

Logistics

Metal Products

Cutting Tools

Gear Cutting Tools

Thin Film Coating

Machined & Sintered Parts

Aluminium Die Casted Parts

Sheet Metal Parts

Shock Absorbers

Cabins

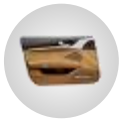
Bus & Truck ACs

Passenger Car ACs & Cooling Systems

Modules & Polymer Products

Dashboards

Bumpers


Door trims

Assemblies

Components

Lighting Systems

Air Intake Manifolds

Automotive Manufacturing Engineering

Injection Moulding Tools

Elastomer Components

Technology & Software MSID.

Software Solutions

Wireless Power

Telematics

Our Collaborators

33 Existing Partners

36 Years: age of our Oldest Partnership

9 Countries of origin of JV Partners

- One of the Worlds Leading Specialized Manufacturing Companies for **OEM's**
- Integrated design and manufacturing Group providing full **System Solutions** to automotive and other related industries.
- Global customer base of all the world's major Automotive OEMs.
- Driven by over **135,000 Professionals** from different cultures and nationalities

Motherson is located in over **270** facilities in **41** countries

Our Vision.

"To be a globally preferred solutions provider"

Proud to be part of...
Tata
Opel
Renault
Suzuki
Land Rover
Foton
Dongfeng
Seat
BMW
Toyota
Nissan
Audi
Honda
Fiat Chrysler
Peugeot
Paccar
Scania
Mahindra
Daimler
John Deere
Porsche
Ford
Hyundai
Volvo
GM
Volkswagen
motherson
...the world´s most admired brands.
Excerpt from our list of customers

Motherson Sumi Infotech & Designs Limited : Established in 2000

We are the Software & Technology division of the Motherson Group

Digital & Engineering Services
Comprehensive design, development testing & manufacturing services

Immersive Interactive
Building technology agnostic business applications & legacy transformations. Creating mobile apps for anytime anywhere access

Big Data AI / ML & Analytics
Harnessing value from data Use Artificial Intelligence and Machine Learning to leverage data

Native Cloud Services
Reducing cost and increasing speed to market with native cloud applications and workload management

Industry 4.0+
Connecting things, data, process and people with IDACS

Enterprise Resource Planning
Integrating business processes seamlessly leveraging SAP partnership

Automation
Using advanced robotics for logistics and smart warehousing

RPA & BPO
Robotic Process Automation and back-office support using UI Path

SOC/NOC & Infrastructure services
Managing your service levels and end point devices.

Technology Partnerships

Microsoft Gold Partner, vmware, SAP, DELL, hp, Cisco Systems, EMC², infosim, CITRIX, amazon web services, McAfee, TEAMCENTER, ptc

Our Delivery Centers

Awards & Recognition

ISO9000, ISO27001 and CMMi Level 5 Certified

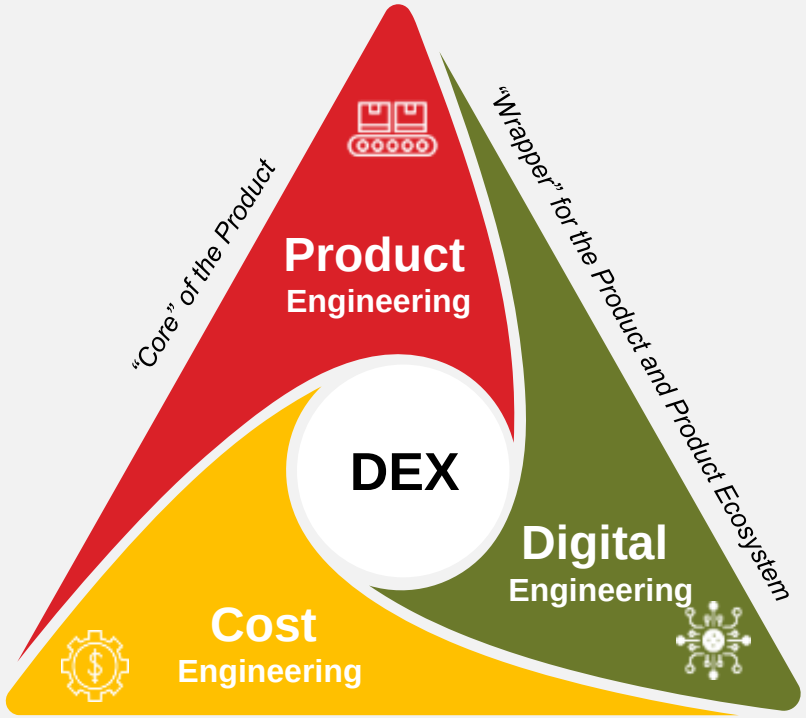
Industry Recognitions

DEX - Services Pillars

VERTICALS / INDUSTRIES	AUTOMOTIVE	INDUSTRIAL	MEDICAL	AEROSPACE

DEX services across Product Development Lifecycle

Concept → Design & Development → Testing → Manufacturing → Active Product Support → End-of-Life Support



Unravel the high-cost Impact for NPD / Current Products

PRODUCT ENGINEERING

- NPD/NPI Services I Product Sustenance
- Point solutions/Services → Full System/Solution development
- Concept → Manufacturing → After market support

DIGITAL ENGINEERING

- Design Thinking
- Enabling Product "smart" and "connected" – IOT I AI/ML I Mobility
- Enabling smart Decisions- Big data I Cloud
- Next gen technologies –Digital Twin I AR/VR

COST ENGINEERING

- Cost reduction without design changes:
  Supplier Rationalization I Procurement support
- Cost reduction involving design changes:
  Value Analysis I Value Engineering I Teardown I Benchmarking

IPs / Frameworks

IDACS	Rollr
Ossia	Factory Analytics
Spend Analytics	Inventory Analytics
DAART	eMPRO
CAMS	Business Connect
Cold Chain	ePedigree

Horizontal Competencies

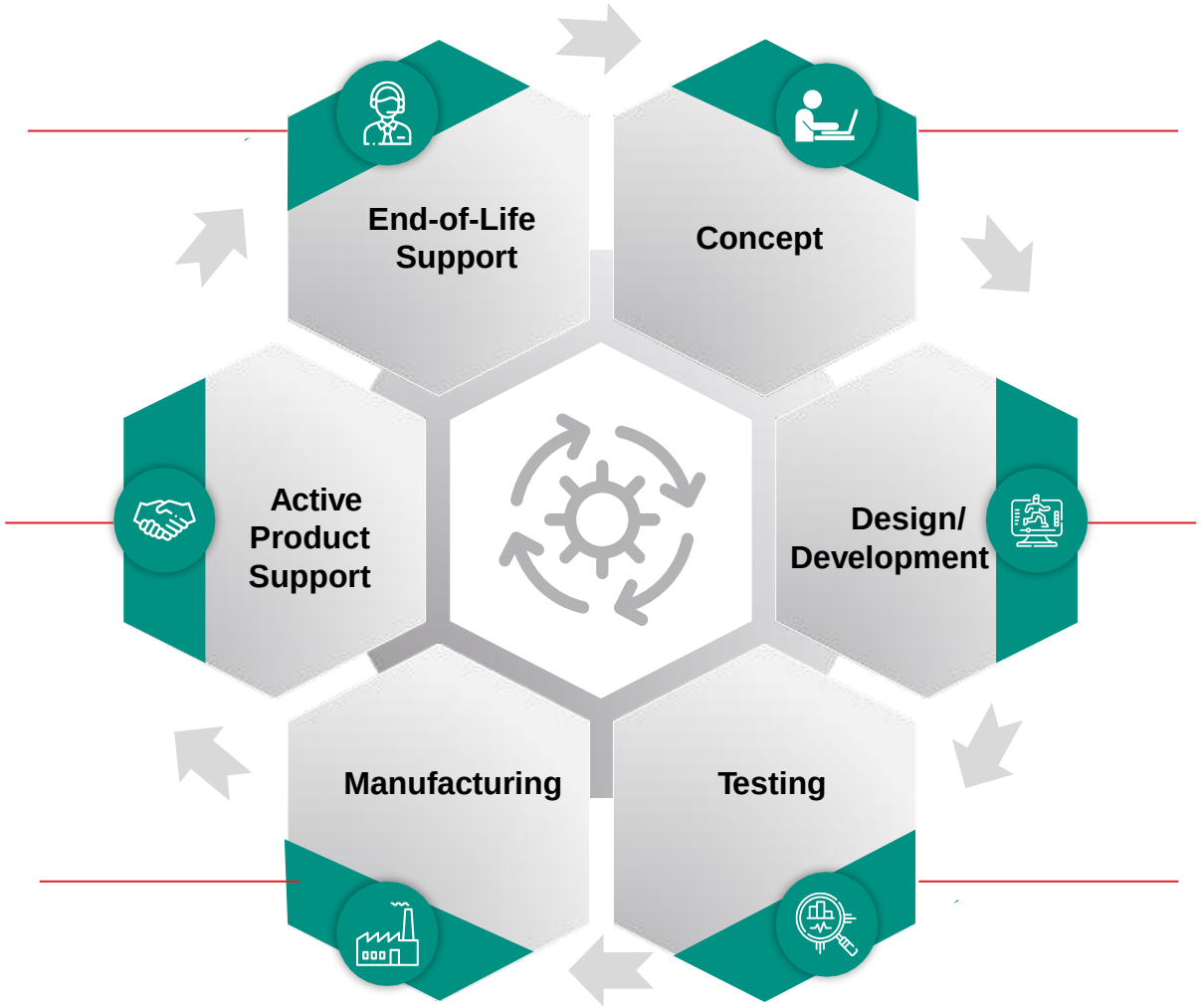
Engineering Services Across PDLC

3200+ Digital & Engineering Specialists | **Integrated** – Design | Testing | Manufacturing | Diverse Technologies Footprint

- Obsolescence Management
- Legacy Conversion
- Porting & Migration
- Reverse Engineering
- Product Certification & Re Certification
- Maintenance Repair

- Process Qualification
- First Article Inspection
- Technical Manuals
- Field Implementation & Training
- Technical Support
- Engineering Change Management (ECO/FCO)
- Regulatory Compliance (RoHS/WEEE)
- Value Engineering

- Technology Transfer
- Jigs
- Fixture & Tool Design
- Prototyping
- Low Volume Manufacturing
- Medium & High-Volume Manufacturing
- Manufacturing IT
- Factory Automation



- Industrial Design
- Competitor Analysis
- Feature Benchmarking
- Concept Generation
- Feasibility Study
- Styling & Ergonomics
- Functional Specifications

- Product Architecture
- SW/HW architecture
- PCB layouts
- Full Design Implementation
- Modelling & Detailing
- Geometric Dimension & Tolerance
- Structural & Thermal Analysis
- Reliability Engineering
- System Bring up
- System Integration

- Component /Material Qualification
- Functional & Performance Testing
- Environmental, EMI/EMC, Compliance Testing

Competencies I Cost Engineering

Should Costing

- Benchmarking Reports
- Raw Material Analysis
- Cost Study & Engineering Analysis
- Should-Cost Modeling
- Manufacturing Process Study

Reverse Engineering

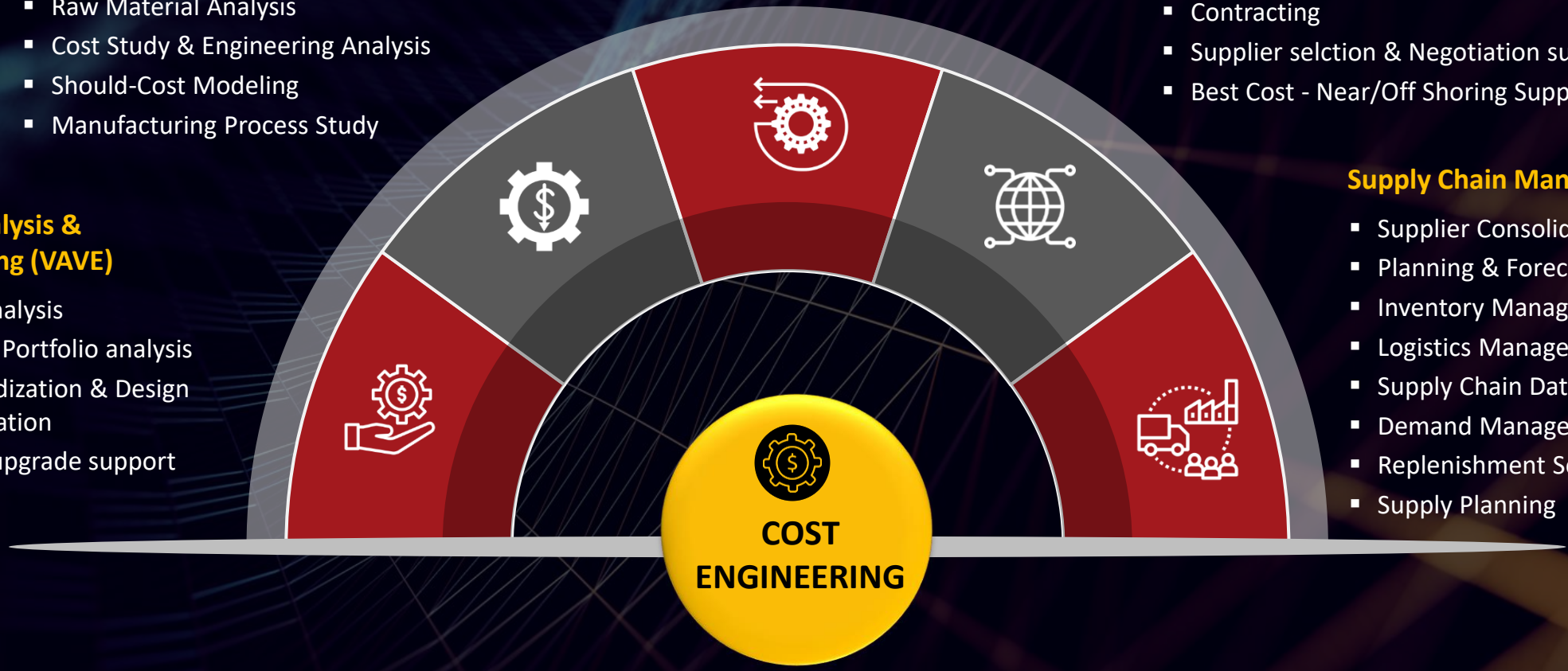
- Competitor Benchmarking
- Product localization
- Tear down support
- Material testing and analysis

Sourcing Support

- Stategic Sourcing
- Spend Analytics
- Contracting
- Supplier selction & Negotiation support
- Best Cost - Near/Off Shoring Support

Value Analysis & Engineering (VAVE)

- Value analysis
- Product Portfolio analysis
- Standardization & Design Optimization
- Legacy upgrade support



Supply Chain Management (SCM)

- Supplier Consolidation
- Planning & Forecasting
- Inventory Management
- Logistics Management
- Supply Chain Data Management
- Demand Management
- Replenishment Services
- Supply Planning

Competencies I Digital Engineering

- Business Consulting
- Feasibility Analysis
- Implementation
- FAT

Robotics Process Automation

Design Thinking UI/UX

- User Interface Design
- User Experience Design
- UX Design
- Usability

AR/VR

- Manuals/ Service Instructions
- Interactive User Guides
- Quality Assurance
- Assembly Instruction
- Product Display/ Demos
- Digital Marketing Solutions

Big Data & Analytics

- Data Engineering
- Advanced Data Analytics
  - Factory Analytics
  - Spend Analytics
  - Inventory Analytics
  - Logistics

Cybersecurity

- Adaptive Security Infrastructure and Architecture
- Remote Security Vulnerability Assessment
- Global Security Operations Centre

AI / Machine Learning

- Data Visualization
- Natural Language Processing
- Image Learning
- Machine Learning

Cloud

- Cloud Strategy Consulting
- Cloud Enablement, Platforms
- Native Cloud Apps, API Layer
- Migration & Transformation Services

Mobility

- Native App Development
- Cross Platform Apps
- Mobile Web Apps

Competencies I Test Engineering

HARDWARE TEST ENGINEERING

- EMI/EMC Test Lab
- Pre-Compliance Testing
- Short Circuit Lab
- Electrical Endurance Test
- Impulse & Leakage Test

SOFTWARE TEST ENGINEERING

- Software Whitebox Testing
- System Testing & Automation
- Software Functionality Testing
- Device Testing
- Firmware Verification
- Hardware V&V
- Automated Test Equipment (ATE) Development
- Test Automation with HIL, SIL, MIL

MECHANICAL TEST ENGINEERING

- Product Validation
- Component & Vehicle Level Integration Testing
- Functional / Prototype testing
- Mechanical Properties Testing
- Chemical Properties Testing
- Corrosion Testing
- Component Level Testing / FAI
- Shock & Vibrations
- Fatigue Testing
- Reliability Testing
- Endurance Testing
- Material Testing
- Drop Test

CERTIFICATION SUPPORT

- Safety Certifications
- Quality Certifications
- Product Certifications

All the testing standards from National/International (JIS/JASO, ISO, USCAR, etc) & Customer standards are performed in-house

ISO 17025 : 2017 accredited testing labs

Value Propositions

DEX Value Propositions

	Product Engineering	Digital Engineering	Cost Engineering
Service Portfolio			
Customer Expectation	R&D Spend Optimization with complementing flexible core engineering competencies, freeing up non-core bandwidth	Thinking beyond service deliveries, Co-innovate with conducive infrastructure, investments and built-in ecosystem	Spend optimization leveraging the experience, technologies, infrastructure and best practices thereby providing committed savings through innovative, Out-of-the-box business models
Our Propositions	**Capacity Expansion Partner**	**Co-Innovation / Exclusive "Lab" Partner**	**Supply Chain Management Partner**
How We Add Value	• Supporting the "Core" • Own the "Non Core" • "Optimize" the Spend • Be an extended "Arm" • Reduced TCO	• "Emerging/New" technologies • "Keep" the Core resources • Joint IP development and Management • Investment with a long-term commitment • Cross Leveraging the Existing IPs / Solutions	• Savings in Direct Material Spend(`~10%) • Lean Production & Supply chain operations • Tear down and competitor analysis • Target Costing • Functional Analysis wrt Cost • Value Analysis and Value Engineering

Business Models

Staff Augmentation — **Time & Material (T&M)** — **Fixed Bid** — **Managed Services** — **Outcome Based Model** — **Co-Innovation Lab**

Engagement Maturity

Thank you.

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