

ARi AREAS OF EXPERTISE BY CONSULTANT

07/01/09

Consultant Name	ARi Area of Expertise	ARi Sub Area of Expertise	ARi Consultant Specialty
BAR	Business Other		Project, Program, and Portfolio Management
BI	Business Other		Supplier Development/Supply Chain Management inc. APQP and PPAP Modeling
CRI	Business Other		Community Relations
GAR	Business Other		General Business Assessments and Business Cases for New Product Opportuniti
GI	Business Other		Financial Analysis
GO	Business Other		Business Development
GO	Business Other		Services Marketing
KAU	Business Other		Germany
KI	Business Other		Patents & Product Liability
KR	Business Other		Proving Ground Operations, Vehicle Fleet Management, IT Contract Management
MAR	Business Other		Indian Market
PO	Business Other		Assessment of overall system capability inc. Mfg., Logistics, Quality and Eng'rng
PO	Business Other		Training in Quality, Engineering and Manufacturing
RAM	Business Other		Financial Management (CFO Level), Product Costing
REI	Business Other		Business start-ups, product launch, Toyota Production Systems, Lean/Six Sigma
RIL	Business Other	Geographic Opportunities	International Business Facilitation
RIL	Business Other	Processes & Systems	Multi-disciplinary & Complex Financial Analysis
RIL	Business Other	Processes & Systems	Product Management & Rationalization
RIT	Business Other		Applied Statistics: Engineering, Manufacturing & Quality Improvement
SEK	Business Other		IT Strategy, Outsourcing, Collaboration
SHAP	Business Other		Automotive Safety, Public Speaking, Fleet Safety and Energy Saving Programs
SHE	Business Other		Canada
SHE	Business Other		Customer Experience Management
TREUD	Business Other		Relocation & Cross-Cultural Training
VI	Business Other		Business, Marketing & Technology Planning
AB	Corporate Management	Processes & Systems	Facilities and Program Management
AB	Corporate Management	Processes & Systems	International Strategic Planning, Production Planning & Capacity Utilization
BA	Corporate Management	Geographic Opportunities	International
BAV	Corporate Management		
BL	Corporate Management	Processes & Systems	Marketing
BL	Corporate Management		Mergers, Acquisitions, Joint Ventures, Divestitures
BL	Corporate Management	Processes & Systems	Strategic Planning
CA	Corporate Management	Information & Knowledge	Intellectual Property
CL	Corporate Management	Processes & Systems	Quality System Development
CRI	Corporate Management	Information & Knowledge	Intellectual Property

Consultant Name	ARi Area of Expertise	ARi Sub Area of Expertise	ARi Consultant Specialty
CRI	Corporate Management	Processes & Systems	Program Management Office (PMO)
DEF	Corporate Management	Processes & Systems	Business Management Systems
DEF	Corporate Management	Processes & Systems	Project Management
DR	Corporate Management	Geographic Opportunities	International
DR	Corporate Management	Processes & Systems	Logistics
DR	Corporate Management	Processes & Systems	Materials Management
DR	Corporate Management	Processes & Systems	Strategic Planning
DR	Corporate Management	Processes & Systems	Warehousing & Distribution
EV	Corporate Management		
FE	Corporate Management		Strategic Analysis and Planning
GI	Corporate Management	Geographic Opportunities	International - Korea
GI	Corporate Management	Processes & Systems	Purchasing
GI	Corporate Management	Processes & Systems	Supply Chain Management
GR	Corporate Management	Growth & Change	Corporate Transformation & Spin Off
HORVA	Corporate Management		Manufacturing Change Agent
HUF	Corporate Management	Processes & Systems	Quality System Development
HUS	Corporate Management	Geographic Opportunities	International
JE	Corporate Management	Leadership & Strategy	Technology/M&A and New Business Development... Tier 1,2 & 3 NA Automotive
KAI	Corporate Management	Processes & Systems	Environmental
KAI	Corporate Management	Geographic Opportunities	International Project Travel
KAI	Corporate Management	Processes & Systems	Materials Management
KAU	Corporate Management	Growth & Change	Start Ups
LARSO	Corporate Management		
MAR	Corporate Management		Business Strategy, M&A and International Business Development
MAS	Corporate Management		Business Processes and Systems Development, Large Scale Program Management
MO	Corporate Management		Program Management
PI	Corporate Management		Strategic Planning, Int'l Expansion, Acquisitions, BOD Relations, Joint Ventures, C
RAH	Corporate Management	Growth & Change	Creativity & Innovation
RAH	Corporate Management	Growth & Change	Creativity & Innovation for Personal Excellence
RAM	Corporate Management	Processes & Systems	Purchasing Management & Cost Reduction
REI	Corporate Management		Plant Manager, Director of Operations, Program Manager, Launch Manager
RIL	Corporate Management	Processes & Systems	Executive Complement
RIL	Corporate Management	Information & Knowledge	Intellectual Property & Licensing
RIT	Corporate Management	Processes & Systems	Strategic/Operations Planning, Mat'ls Mgt Planning, Budgeting & Mfg Operations
RO	Corporate Management	Processes & Systems	Materials Management
RO	Corporate Management	Geographic Opportunities	Mexico
RO	Corporate Management	Growth & Change	Start Ups

Consultant Name	ARi Area of Expertise	ARi Sub Area of Expertise	ARi Consultant Specialty
RO	Corporate Management	Growth & Change	Troubleshooting/Turnarounds
SC	Corporate Management	Processes & Systems	Advanced Technology Programs
SC	Corporate Management	Processes & Systems	Dispute Resolution Facilitation
SC	Corporate Management	Processes & Systems	Engineering Operations
SC	Corporate Management	Processes & Systems	Strategic Planning - Fuel Economy and CAFÉ Compliance
SHE	Corporate Management	Growth & Change	Sales, Aftermarket Development & Growth
SHE	Corporate Management	Processes & Systems	Subsidiary/Branch Strategic Planning & Operations
ST	Corporate Management	Growth & Change	Joint Ventures, Due Diligence, Mergers and Acquisitions
ST	Corporate Management	Growth & Change	Strategic or Operational Management, Corporate Turnaround
TH	Corporate Management	Information & Knowledge	Knowledge Management & Resource Allocation/Team Sizing
TREN	Corporate Management		Developing Strategic R&D Portfolios, Electronic Control Systems
TREUD	Corporate Management	Geographic Opportunities	Brazilian Business Culture
TREUD	Corporate Management	Geographic Opportunities	German-American Liaison
TREUW	Corporate Management		International
VI	Corporate Management	Processes & Systems	Business Strategy / Special Studies
VI	Corporate Management	Growth & Change	Systems Improvement Initiatives
VI	Corporate Management	Growth & Change	Turn Around Management
WALK	Corporate Management		
WH	Corporate Management	Processes & Systems	Culture Change Tools & Application
WH	Corporate Management	Processes & Systems	Product Safety & Risk Management Processes
WH	Corporate Management	Processes & Systems	Purchasing Operating Systems
WH	Corporate Management	Processes & Systems	Tracking Methods & Metrics to Manage Improvement
WHITT	Corporate Management		U.S., Mexico and China
WILH	Corporate Management	Growth & Change	Business Partnerships & Technology Alliances
WILH	Corporate Management	Processes & Systems	Decision Making Process
WILH	Corporate Management	Growth & Change	Electronics' Product & Market Strategy
WO	Corporate Management		
AB	Design & Product Engineering		International Platform, Hybrids and Specialty Vehicles
BA	Design & Product Engineering		Electric Motors
BAV	Design & Product Engineering		
BI	Design & Product Engineering		
BO	Design & Product Engineering		Chassis & Powertrain Hardware Packaging
BO	Design & Product Engineering		Design, Development, Test & Validation
BO	Design & Product Engineering		Tradeoff Studies
BR	Design & Product Engineering		
CA	Design & Product Engineering		Product Innovation
CL	Design & Product Engineering		APQP, Product Launch

Consultant Name	ARi Area of Expertise	ARi Sub Area of Expertise	ARi Consultant Specialty
CRE	Design & Product Engineering		Powertrains
CRI	Design & Product Engineering		Product Liability
CRI	Design & Product Engineering		Team Problem Solving
DEB	Design & Product Engineering		Engine Systems, Thermal Systems
DEF	Design & Product Engineering		APQP
DEF	Design & Product Engineering		Supplier Assessments
DEF	Design & Product Engineering		Team Problem Solving
FI	Design & Product Engineering		Drawing Interpretation and Conflict-Resolution
FI	Design & Product Engineering		Engineering Documentation Practices and Optimization
FI	Design & Product Engineering		Geometric Dimensioning & Tolerancing Application
FI	Design & Product Engineering		Interface Management, Dimensional Management
FI	Design & Product Engineering		Solid-Modeling Annotation and Practices (Y 14.41)
FI	Design & Product Engineering		Tolerance Analysis & Tolerance Stackups
GR	Design & Product Engineering		Total Vehicle & Subsystems
HA	Design & Product Engineering		Transmission design
HOP	Design & Product Engineering		Continuously variable transmissions for heavy duty vehicles
HORV	Design & Product Engineering		Design and testing of elastomeric seals
HORVA	Design & Product Engineering		
HUF	Design & Product Engineering		APQP, Product Launch
JO	Design & Product Engineering		Engine Engineering
KAD	Design & Product Engineering		
KI	Design & Product Engineering		Engineering Management & Processes
LARSE	Design & Product Engineering		Commercial Vehicles & Construction Equipment
LOG	Design & Product Engineering		MEMS pressure sensors, accelerometers, angular rate sensors, IR sensors
LOH	Design & Product Engineering		Integration of safety in crashworthiness design and development processes
MAI	Design & Product Engineering		Automotive Body Design
MAI	Design & Product Engineering		International
MAI	Design & Product Engineering		Preliminary Packaging
MAI	Design & Product Engineering		UniGraphics Parametric Design
MAJ	Design & Product Engineering		
MC	Design & Product Engineering		Chassis & Powertrain Hardware Packaging
ME	Design & Product Engineering		Structural Integrity
MO	Design & Product Engineering		
PO	Design & Product Engineering		
RAH	Design & Product Engineering		Lean/Breakthrough Design
RIT	Design & Product Engineering		Validation
RU	Design & Product Engineering		Problem Solver

Consultant Name	ARi Area of Expertise	ARi Sub Area of Expertise	ARi Consultant Specialty
TH	Design & Product Engineering		Digital Design
TO	Design & Product Engineering		
TREUW	Design & Product Engineering		Diesel Engine Development in Design/Testing; Cost Reduction; Efficiency Improve
VA	Design & Product Engineering		Automotive Body and Chassis Systems and Components, Product Development
WAL	Design & Product Engineering		Powertrains
WAT	Design & Product Engineering		Disc and Drum Assemblies and Components
WAT	Design & Product Engineering		Setting-up Product Engineering Organizations inc. Staffing, Equipment, Goals
WH	Design & Product Engineering		FMEA's & Product Design Reviews
WH	Design & Product Engineering		Product Launches, APQP, Problem Resolution
WILH	Design & Product Engineering		Electronic Product Design Reviews
WILL	Design & Product Engineering		Powertrain/Underhood Cooling, Thermal Management, Exterior Appearance, Airflo
WR	Design & Product Engineering		Product & Process
ZE	Design & Product Engineering		Validation/Testing
BR	Electronics		Control Strategies for Chassis and Powertrain Applications; Hardware/Software D
CA	Electronics		
CRE	Electronics		Computer Architecture & Software
CRE	Electronics		Drive-by-Wire Systems
DEF	Electronics		Design/Process Analysis
GR	Electronics		Electronic Module & Subsystem Design
KAD	Electronics		
LARSO	Electronics		
LOG	Electronics		Silicon micromachined devices and processes
PO	Electronics		
WILH	Electronics		Product & Market Development
CRE	Emissions/Environmental		Powertrain Calibration
DEB	Emissions/Environmental		Emissions & Environmental Analysis
DEF	Emissions/Environmental		ISO14000 Conformance
KAI	Emissions/Environmental		Permit Negotiation
KAU	Emissions/Environmental		Testing & Instrumentation
PR	Emissions/Environmental		Governmental Liaison
SHAM	Emissions/Environmental		Catalytic Converter Modeling
SHAM	Emissions/Environmental		Diesel Exhaust After-treatment
WILL	Emissions/Environmental		Testing, Instrumentation, Validation Test Methods, Wind Tunnels, On-Road Testir
CRI	Engineering Other		Knowledge Management
DEB	Engineering Other		International
DEB	Engineering Other		Japan
DEB	Engineering Other		Korea

Consultant Name	ARi Area of Expertise	ARi Sub Area of Expertise	ARi Consultant Specialty
KI	Engineering Other		Tire/Wheel Systems
KR	Engineering Other		Vehicle Testing Safety
LARSE	Engineering Other		Hybrid-Electric Drives for Military Applications
LARSO	Engineering Other		Advanced product strategy, definition, development, and market analysis
LOH	Engineering Other		CAE applied to vehicle design and development and integration in the engineering
MAJ	Engineering Other		Brake and Fuel Systems
MAR	Engineering Other		Product Planning & Development, Organization Efficiency, Lead-time Reduction, F
ME	Engineering Other		Accident Reconstruction Training; Race Car Dynamics & Aerodynamics
ME	Engineering Other		Race Car Dynamics & Aerodynamics
PO	Engineering Other		Process Improvement (Business, Engineering, and Manufacturing)
SA	Engineering Other		Supply Chain Quality Management
SEK	Engineering Other		PLM to Manufacturing and ERP Integration
TO	Engineering Other		Instrumentation and Instrument Systems
VA	Engineering Other		Organization Development, Research, Government Technical Relations and Proc
VI	Engineering Other		Program Management
WILH	Engineering Other		Mobile Multimedia Systems, Active Safety Systems
ZE	Engineering Other		Organization Development
BR	Engines/Energy Systems		
CRE	Engines/Energy Systems		Engines
CRE	Engines/Energy Systems		Hybrid Vehicles
CRE	Engines/Energy Systems		Transmissions
DEB	Engines/Energy Systems		Alternative Fuels
DEB	Engines/Energy Systems		Control Systems & Calibration
HOP	Engines/Energy Systems		Engines/Energy Systems, including energy storage
HOP	Engines/Energy Systems		Hybrid Vehicles
JO	Engines/Energy Systems		Fuel & Air Handling Systems
KAD	Engines/Energy Systems		Electrical Energy Recovery and Management Systems
KAU	Engines/Energy Systems		Fuels & Fuel Measurement
LARSO	Engines/Energy Systems		
MC	Engines/Energy Systems		Engines
MC	Engines/Energy Systems		General Engine Combustion & Engine Design
MC	Engines/Energy Systems		Transmissions
RU	Engines/Energy Systems		Hybrid Electric Vehicle Systems
SHAM	Engines/Energy Systems		Combustion Modeling
SHAM	Engines/Energy Systems		Fuel Cells
TREUW	Engines/Energy Systems		Diesel Engine Design/Dev/Testing; Alternative Fuel Engines; Component Perform
WAL	Engines/Energy Systems		Internal Combustion Engines; Oil Temperature Control and Coolant Deaeration

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WR	Engines/Energy Systems		Diesels, Mechanical Design
HORVA	Labor Relations		
TREUW	Labor Relations		Labor Contracts
AB	Manufacturing	Plant Design & Construction	Facilities Management
BA	Manufacturing		Product Launch Management
BA	Manufacturing		Stamping, Dies & Tooling
BAR	Manufacturing		
BI	Manufacturing		Manufacturing Experience and Process Engineering Support to Management
BO	Manufacturing		Product Launch Support
CL	Manufacturing		First Time Quality, Scrap Reduction, Product Launch
DR	Manufacturing		Supply Chain Management
GR	Manufacturing		Product Launch Management & Process Turnaround
HORT	Manufacturing		First Line Supervisor Training
HORT	Manufacturing		International Project Travel
HORT	Manufacturing		Lean Manufacturing
HORT	Manufacturing		Material/Production Control
HORV	Manufacturing		Mfg of elastomeric products using various metallic, plastic and elastomeric mat'ls
HORVA	Manufacturing		Precision Machining, Casting, Forging, Stamping, Roll Forming, Plastics & Chemicals
HUF	Manufacturing		First Time Quality, Scrap Reduction, Product Launch
JE	Manufacturing	Mfg. Technologies	Introduction/Implementation of New Advanced Manufacturing Technologies
LOG	Manufacturing		Silicon fabrication
MO	Manufacturing		Operations
PI	Manufacturing		Logistics, Lean Mgt., Restructuring, ERP Systems, Supplier Mgt., Policy Deployment
RIL	Manufacturing		Product Line Rationalization
RIT	Manufacturing		Production Management
RU	Manufacturing		Lean Manufacturing
SEK	Manufacturing		Business Processes and MES
SHE	Manufacturing		Automation
ST	Manufacturing	Processes & Systems	Plant Management, Director of Operations
WALK	Manufacturing		
WH	Manufacturing		Aftermarket Remanufacturing
WH	Manufacturing		Assembly, Stamping, Welding, Cleaning, Painting, Casting, Forging, Machining
WH	Manufacturing		Capital Project Management-Equipment, Plant
WH	Manufacturing		Lean Systems-Kaizen, Poke-Yoke, Lean Quality, Pull, Visual Control
WH	Manufacturing		Process Design Reviews & Fail Safe Risk Assessment
WH	Manufacturing		Supplier Consolidation & Development
WHITT	Manufacturing		International Plant Experience

Consultant Name	ARi Area of Expertise	ARi Sub Area of Expertise	ARi Consultant Specialty
BA	Materials		Steel
GE	Materials		Advanced High Strength Steels
HORV	Materials		Elastomeric Materials for Sealing Applications
KAI	Materials		Environmental - Recycling
LOG	Materials		Silicon electromechanical property
PR	Materials		Coatings
RO	Materials		Paint & Paint Systems
BAV	Mergers & Acquisitions		Evaluate Candidates
FE	Mergers & Acquisitions		
GR	Mergers & Acquisitions		
JE	Mergers & Acquisitions		
MAR	Mergers & Acquisitions		
MO	Mergers & Acquisitions		
PI	Mergers & Acquisitions		
PO	Mergers & Acquisitions		
RIL	Mergers & Acquisitions		
SA	Mergers & Acquisitions		
SEK	Mergers & Acquisitions		
ST	Mergers & Acquisitions		
VI	Mergers & Acquisitions		
WALK	Mergers & Acquisitions		
WILH	Mergers & Acquisitions		
BAV	Noise & Vibration		Body Structure
GE	Noise & Vibration		
LARSE	Noise & Vibration		Drivetrains
MAJ	Noise & Vibration		
MAS	Noise & Vibration		HVAC, Powertrain, Body, Tires and Wheels
MC	Noise & Vibration		Drivetrains
MC	Noise & Vibration		Mechanical Systems
TH	Noise & Vibration		Design for NVH
AB	Product Life Cycle Management	Consolidation and Change	Product Program Development & Implementation
BAV	Product Life Cycle Management		
BI	Product Life Cycle Management		APQP and PPAP
CRI	Product Life Cycle Management		Documentation & Standards
DR	Product Life Cycle Management		
GR	Product Life Cycle Management		Cost Reduction & Price Negotiation
KAI	Product Life Cycle Management		Analysis/Assessment - Total Cost of Ownership

Consultant Name	ARi Area of Expertise	ARi Sub Area of Expertise	ARi Consultant Specialty
MAS	Product Life Cycle Management		Vehicle Assessment and Financial Cost Estimating
TO	Product Life Cycle Management		
WAL	Product Life Cycle Management		Powertrain
HORVA	Project Management Other		Product Transfers, Strategic Product Rationalization, Plant Start-ups and Closures
BAV	Purchasing		Supply Chain Strategy
DR	Purchasing		
JE	Purchasing		
KR	Purchasing		
MAS	Purchasing		
MO	Purchasing		
RIT	Purchasing		
VI	Purchasing		
WAL	Purchasing		
WILH	Purchasing		
BI	Quality Management		
CL	Quality Management		PPAP, Supplier Development, Quality System Development
DEF	Quality Management		QFD, QOS, ISO9000, TS16949, ISO14000
FE	Quality Management		Warranty and Audit
GR	Quality Management	Processes & Systems	Process Implementation
HORVA	Quality Management		
HUF	Quality Management		PPAP, Supplier Development, Quality System Development
MO	Quality Management		Six Sigma Black Belt, Toyota Production System
PO	Quality Management		
RIT	Quality Management		TQM, Statistical Process Control, Quality Assessment & Improvement
RU	Quality Management		APQP
SA	Quality Management		Corporate Quality Management in Global Organizations
TREUW	Quality Management		Reliability, Durability, Quality of Engines and Production
WAL	Quality Management		Quality Process
WH	Quality Management		Quality System Development & Training
WHITT	Quality Management		International Experience
ZE	Quality Management		Six Sigma, Lean Enterprise
RU	Reliability & Durability		Testing
BO	Reliability/Durability		Field & Customer Warranty Analysis
GR	Reliability/Durability		
HORV	Reliability/Durability		Design of experiments to determine product life and reliability
MAJ	Reliability/Durability		
MC	Reliability/Durability		Failure Analysis & Warranty Cost Reduction

Consultant Name	ARi Area of Expertise	ARi Sub Area of Expertise	ARi Consultant Specialty
MC	Reliability/Durability		Mechanical Systems & Life Expectancy
MC	Reliability/Durability		Weibul Reliability Analysis
RAH	Reliability/Durability		Design for Reliability & Durability
RIT	Reliability/Durability		Reliability Planning Process
SA	Reliability/Durability		
TH	Reliability/Durability		Analysis/Assessment
TREUW	Reliability/Durability		Quality and Testing
VA	Reliability/Durability		Reliability/Quality, Six Sigma Director Masters Black Belt, Global 8D, FMEA, DFM
WAL	Reliability/Durability		Quality, Root Cause Analysis Techniques, Taguchi Methods
WH	Reliability/Durability		Customer Service Organization Creation
WH	Reliability/Durability		Failure Analysis & Warranty Cost Reduction
WH	Reliability/Durability		Root Cause & Problem Solving
BR	Safety		Autonomous and Semi-autonomous Safety Systems
CA	Safety		Regulations
HOL	Safety		Research, development, testing, evaluation, crashworthiness/avoidance, survivab
KAD	Safety		Active Safety Systems, Sensors, and Requirements
LOH	Safety		
MAJ	Safety		
MAR	Safety		Active Safety Systems
ME	Safety		Accident Reconstruction
RAH	Safety		Design for Safety
TH	Safety		Design for Safety
TH	Safety		Design for Safety - Crash Performance
TH	Safety		Restraint System Design
VA	Safety		Safety Standards and Product Implementation
ZE	Safety		Accident Analysis and Reconstruction
BL	Sales & Marketing		Global Market Research Studies
DEB	Sales & Marketing		Business Development
EV	Sales & Marketing		
FE	Sales & Marketing		Strategic Distribution
GE	Sales & Marketing		
GO	Sales & Marketing		Strategic Business Guidance
GR	Sales & Marketing		Global Technical Sales
HORVA	Sales & Marketing		
HUS	Sales & Marketing		International
JE	Sales & Marketing	Product/Process Mgt.	Interfacing Sales/Marketing Executives with Operations
JO	Sales & Marketing		Asia-Pacific Region

Consultant Name	ARi Area of Expertise	ARi Sub Area of Expertise	ARi Consultant Specialty
PI	Sales & Marketing		Technology Licensing, Strategic Marketing and Product Management
SEK	Sales & Marketing		Processes, Integration and Support
SHE	Sales & Marketing		Automotive Component, Machinery & Equipment
WALK	Sales & Marketing		
BI	Standards & Regulatory Compliance		ISO 9001, ISO 14001 and ISO/TS 16949
CA	Standards & Regulatory Compliance		
CRI	Standards & Regulatory Compliance		Import & Export
DEB	Standards & Regulatory Compliance		
FI	Standards & Regulatory Compliance		Standards Development
HOL	Standards & Regulatory Compliance		Motor Vehicle Safety Standards
KAI	Standards & Regulatory Compliance		Analysis/Assessment - Internal Development
KI	Standards & Regulatory Compliance		
KR	Standards & Regulatory Compliance		Emissions Certification for Light Duty Vehicles -- Process and Documentation
LOH	Standards & Regulatory Compliance		Safety and crashworthiness
PR	Standards & Regulatory Compliance		Governmental Liaison
SC	Standards & Regulatory Compliance		CAFÉ
SHAP	Standards & Regulatory Compliance		Establishing Systems, Conducting Quality Checks of the Process, Evaluation
SHE	Standards & Regulatory Compliance		International, ISO
VA	Standards & Regulatory Compliance		Homologation Standards and Regulatory Compliance for AP&A Markets
VI	Standards & Regulatory Compliance		Regulatory Compliance
WO	Standards & Regulatory Compliance		
BAR	Strategic Planning		
BAV	Strategic Planning		Growth Strategy, New Market Entry
DR	Strategic Planning		
FE	Strategic Planning		
GAR	Strategic Planning		Strategic Product Planning
GE	Strategic Planning		
GR	Strategic Planning		
HOL	Strategic Planning		
JE	Strategic Planning		
KAD	Strategic Planning		Chassis Control Systems, Active Safety Systems, Electrical Power Systems, etc.
MAJ	Strategic Planning		
MAR	Strategic Planning		
MAS	Strategic Planning		
MO	Strategic Planning		
PI	Strategic Planning		
PO	Strategic Planning		

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RIL	Strategic Planning		
RIT	Strategic Planning		
SA	Strategic Planning		
SEK	Strategic Planning		
SHAP	Strategic Planning		
ST	Strategic Planning		
TH	Strategic Planning		
TREN	Strategic Planning		
TREUW	Strategic Planning		
VA	Strategic Planning		
VI	Strategic Planning		
WAL	Strategic Planning		
WALK	Strategic Planning		Global Automotive and Commercial Heavy Truck
WHITT	Strategic Planning		
WILH	Strategic Planning		
BAV	Supplier Development		
BI	Supplier Development		
CL	Supplier Development		
DR	Supplier Development		
HORT	Supplier Development		
HUF	Supplier Development		
JE	Supplier Development		
MAJ	Supplier Development		
MO	Supplier Development		
PO	Supplier Development		
PR	Supplier Development		
RAH	Supplier Development		
REI	Supplier Development		Toyota Production Systems, Poka Yoke
SA	Supplier Development		
SEK	Supplier Development		
TREUW	Supplier Development		
VI	Supplier Development		
WAL	Supplier Development		
WALK	Supplier Development		
WAT	Supplier Development		
WHITT	Supplier Development		
WILH	Supplier Development		

Consultant Name	ARi Area of Expertise	ARi Sub Area of Expertise	ARi Consultant Specialty
GR	Sustainable Development		Corporate Transformation
KAI	Sustainable Development		
VA	Sustainable Development		
BI	Systems Engineering		Over-All Management / Engineering Systems
BO	Systems Engineering	Processes & Systems	Process Implementation
BR	Systems Engineering		
CRE	Systems Engineering		
DEB	Systems Engineering		
GE	Systems Engineering		
GR	Systems Engineering		Product Development Process & Cultural Change
LARSE	Systems Engineering		Major Vehicle Subsystems
LARSO	Systems Engineering		
MAS	Systems Engineering		Structural Systems
MC	Systems Engineering		Major Vehicle Subsystems
SC	Systems Engineering		Assessment and Implementation
TH	Systems Engineering		Analytical Modeling & System Design
TREN	Systems Engineering		ABS, EDI, Traction/Cruise Control, Digital Eq., Electric Steering, System Components
WAL	Systems Engineering		Powertrains
WAT	Systems Engineering		Foundation Brake Systems
WILL	Systems Engineering		Car, Light Truck, Commercial Vehicles, Specialty Vehicles, Vehicle Requirements
WO	Systems Engineering		
CRE	Technology Other		Fuel Economy, ISO 9001:2000 Certified Auditor
FI	Technology Other		Geometric Dimensioning & Tolerancing Theory & Training
FL	Technology Other		Assessment of competitor product technologies
FL	Technology Other		Automotive sensor applications and technologies
FL	Technology Other		Searching and evaluating competitor U.S. patents by topic and/or technology
FL	Technology Other		Searching and interpreting U.S. Government regulations, recalls, docket submissions
GE	Technology Other		Automotive Computer Aided Engineering and Structural Analysis, Weight Minimization
HA	Technology Other		Transmission and transfer case design
HOP	Technology Other		Electric motors, generators and actuators
HOP	Technology Other		Legal support
HOP	Technology Other		Technical manager/director of major technical projects
LARSE	Technology Other		Bolted Joints
LARSE	Technology Other		Strain-Life Techniques
LOH	Technology Other		Vehicle Structural Design
MAR	Technology Other		Technology Planning and Innovation
MC	Technology Other		Gear Design / Application / Analysis / Testing

Consultant Name	ARi Area of Expertise	ARi Sub Area of Expertise	ARi Consultant Specialty
MC	Technology Other		Hydraulic Systems
MC	Technology Other		Mechanical Power Transmission / Transmission Design
RAH	Technology Other		Efficient Technology Management
RAH	Technology Other		Software Development
SA	Technology Other		Product/Warranty Risk Management
SHA	Technology Other		Automotive A/C and Engine Cooling Systems, Heat Exchangers & Thermal Systems
SHA	Technology Other		Fuel Cells
SHA	Technology Other		International
SHAM	Technology Other		Computational Fluid Dynamics
VI	Technology Other		Benchmarking in Body Structures
WAL	Technology Other		Engine Mapping Methodology; Emission Testing and Emission System Development
WILL	Technology Other		Fuel Economy, Automotive Heat Exchangers and Thermal Systems
BO	Vehicle Dynamics		Light Truck Ride & Handling
BR	Vehicle Dynamics		Wheel Control (ABS&TCS); Vehicle Directional Control (ESC); Comprehensive Safety
CRE	Vehicle Dynamics		Drive Quality
KAD	Vehicle Dynamics		
ME	Vehicle Dynamics		Vehicle Design
WILL	Vehicle Dynamics		Environmental Impact