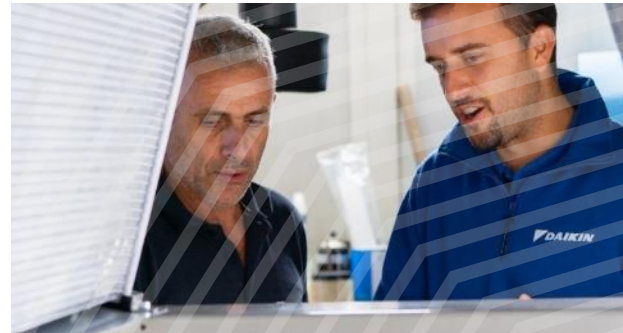
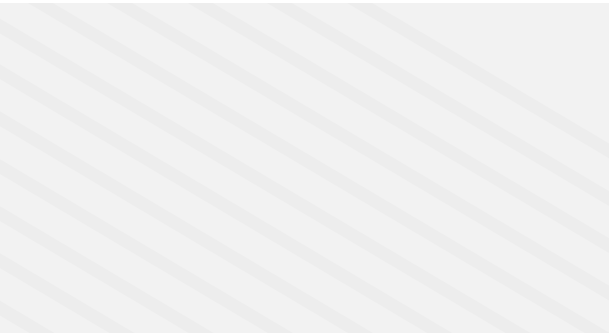
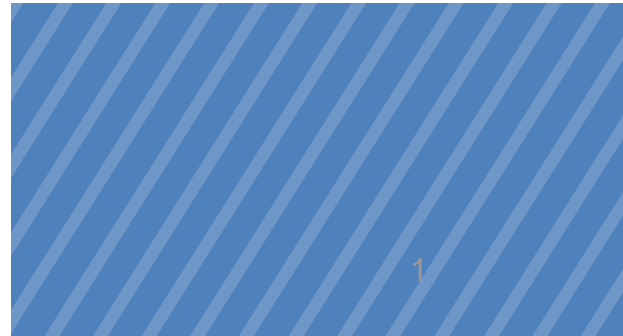
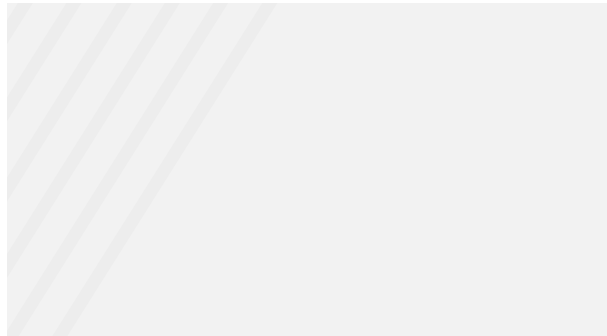
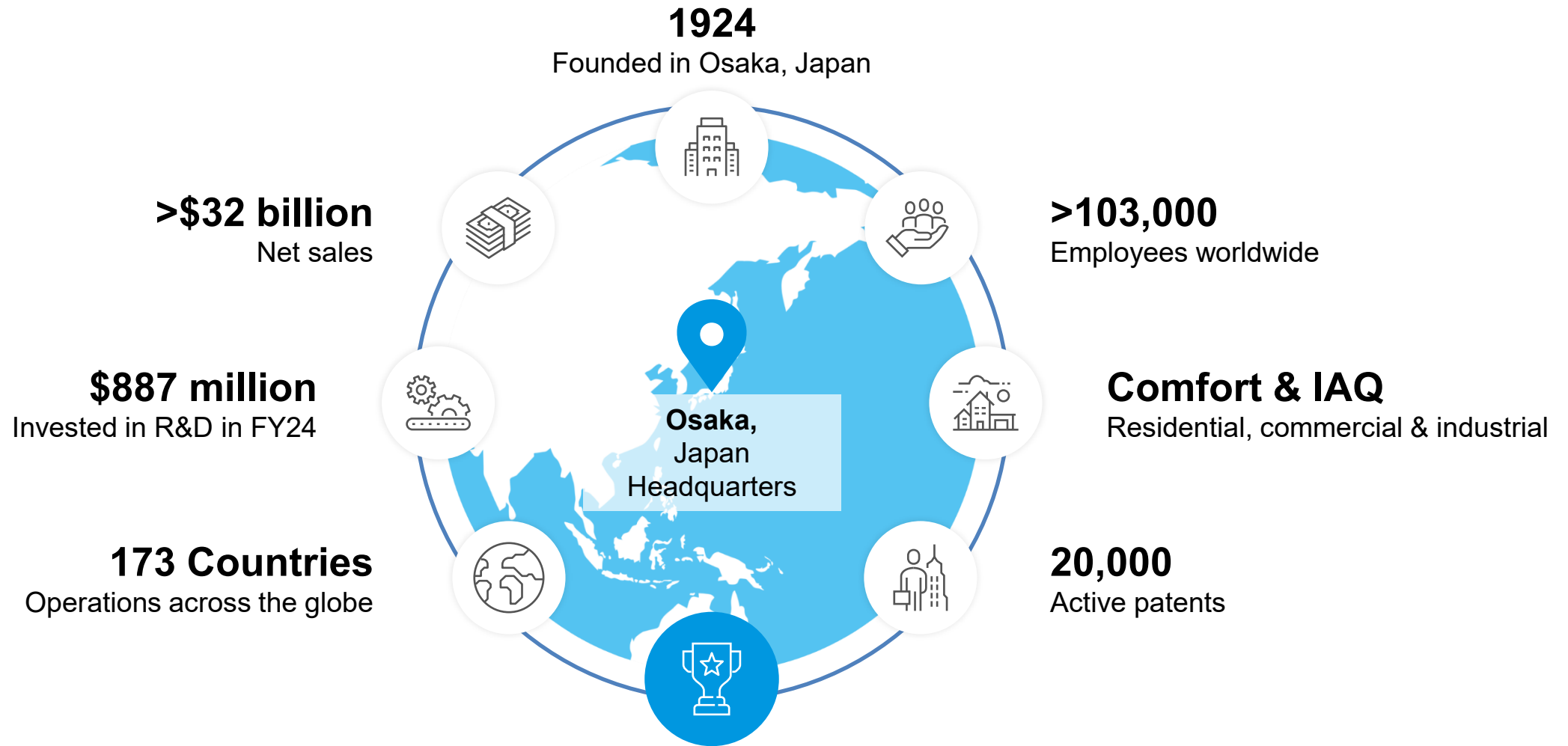




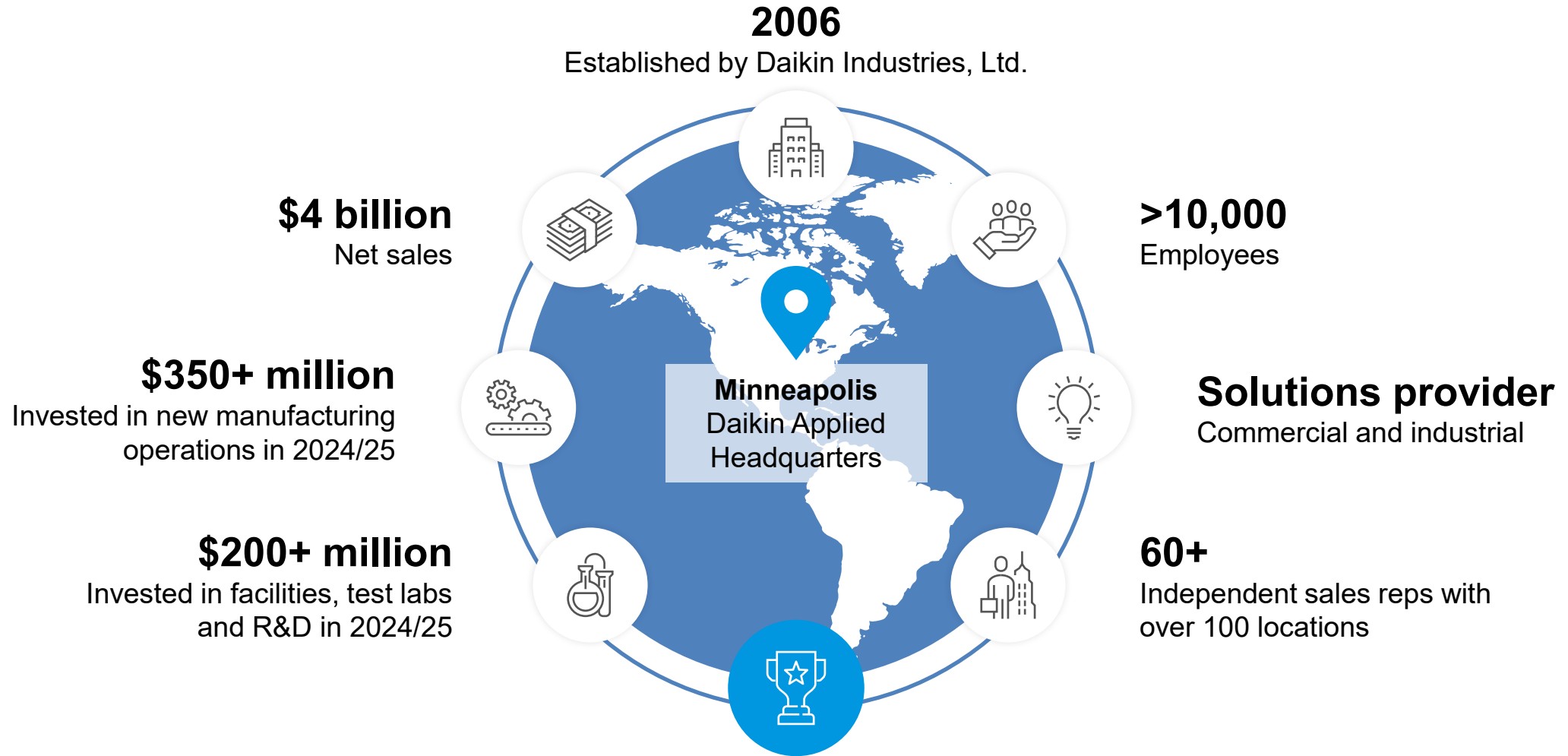
Supplier Quality – Building a Competitive Advantage

Steve Greisinger,
Corporate Supplier Quality Manager
Daikin Applied Americas





Daikin is the world's #1 HVAC solutions company



Focused on commercial and industrial HVAC solutions

How do you and your organization define **QUALITY?**

1) Transcendent Approach:

Quality is seen as an **inherent excellence** that is difficult to define but is recognized when experienced.

2) Product-Based Approach:

Quality is defined by the **measurable attributes of a product**, such as performance, reliability, & durability.

3) User-Based Approach:

Quality is determined by the **user's satisfaction** and the product's ability to meet their needs & expectations.

4) Manufacturing-Based Approach:

Quality is about **conformance to specifications and standards**, ensuring that products are made correctly.

5) Value-Based Approach:

Quality is assessed based on the **value it provides** to the customer, balancing cost and performance.

What makes a world-class **SUPPLIER QUALITY ORGANIZATION?**

- 1) Enhances product quality
- 2) Reduces costs associated with defects and rework
- 3) Improves supply chain efficiency and resilience
- 4) Ensures regulatory compliance & mitigates risk
- 5) Fosters innovation and competitive advantage by building strong, collaborative supplier relationships.

This leads to greater customer satisfaction, a stronger brand reputation, & increased profitability



FY25 PRIORITIES

Together,
**We Brighten
the Future.**



2 of 8
Strategic
Priorities for
Daikin
Applied
in FY25

3 Core DAA Quality Pillars

Quality Assurance

(Supplier & Product Qualification)



PROACTIVE
QUALITY
PLANNING

Quality Control

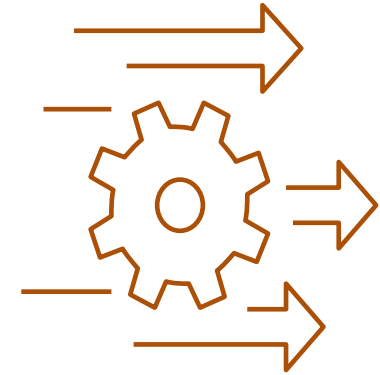
(Supplier & Plant Performance Management)



DAY-TO-DAY
QUALITY
MANAGEMENT

Customer Care

(Field Quality & Warranty Management)



REACTIVE
QUALITY ISSUE
CORRECTION

Quality processes drive competitive advantage, innovation, and growth

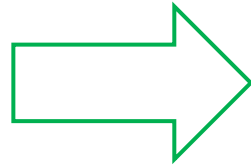
Pillar 1 – Quality Assurance

Quality Assurance

(Supplier & Product Qualification)



PROACTIVE
QUALITY
PLANNING



Supplier Self Assessment

Supplier On-site Audits

Advance Product Quality Planning (APQP)

Supplier Reliability Deployment

Production Part Approval Process (PPAP)

Onsite Customer Witness Testing

Pillar 1 sets the foundation for Proactive Quality Planning

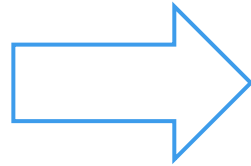
Pillar 2 – Quality Control

Quality Control

(Supplier & Plant Performance Management)



DAY-TO-DAY
QUALITY
MANAGEMENT



GEMBA team engagement

Reject Notices & Notification – RN's

Supplier Change Request – 4M

SCAR – Supplier Corrective Actions

Weekly Quality Escapes

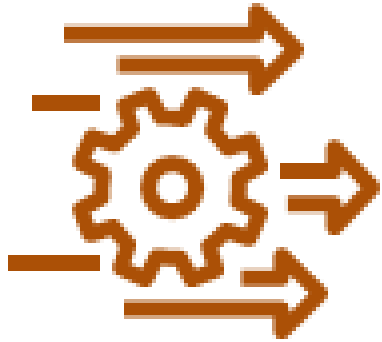
Monthly – Quarterly Performance

Supplier Audits – Issues / PPM

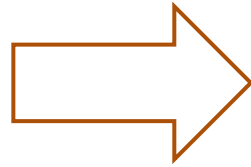
Pillar 2 provides key tools for Quality Issue Management

Pillar 3 – Customer Care

**Customer
Care**
(Field Quality & Warranty
Management)



REACTIVE
QUALITY ISSUE
CORRECTION



Supplier Escape Reduction

TRC, Warranty Data, & Parts Data

WQE – Weekly Quality Escapes

RMA Field Service Process

Supplier RMA and Tear-Down

Pillar 3 addresses expedited & structured Customer Quality Issue Resolution

QUALITY ASSURANCE & QUALIFICATION

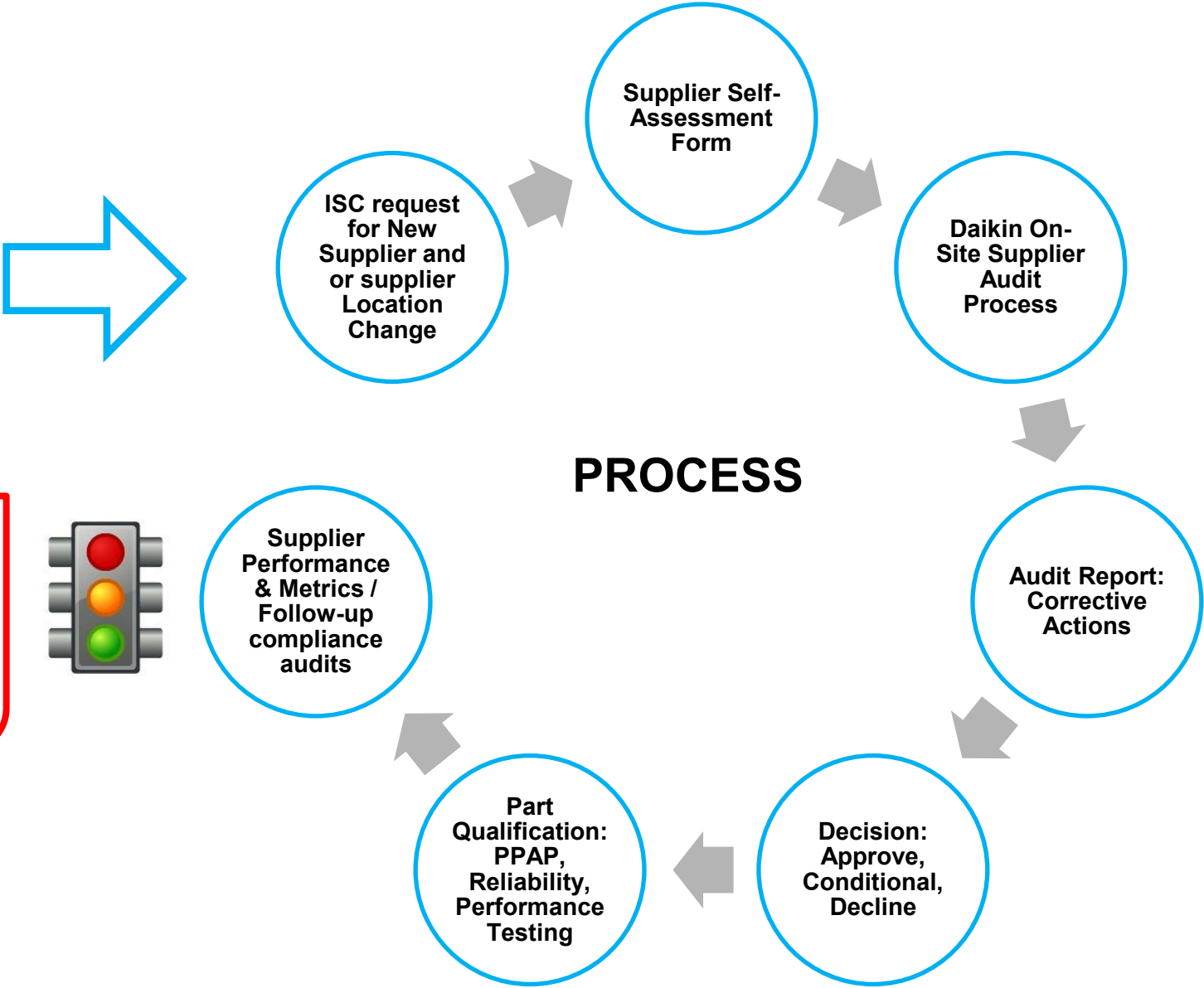
Supplier Qualification Standard Work

Integrated Supply Chain Initiation:

- Identifies potential supplier relationship
- New supplier / Supplier location move
- Supplier Quality: Start Approval Process

Supplier Development Team:

- Not meeting Requirements / Performance
- Development Planning / Monitoring
- Capacity / Expansion needs



Supplier Assessment Process

DAIKIN

Supplier Self-Assessment Profile

Supplier Organization Name: _____ Date: _____

Address: _____ Supplier Auditor: _____

City: _____ Key Product Description: _____

State, Zip: _____ Labor Union (if applicable): _____

Main Phone Number: _____ Number of Employees: _____

Manufacturer (if different than supplier): _____ Number of Quality Employees: _____

Manufacturer Location (if different than supplier): _____ Top 3 Key Customers: _____

Annual Sales (\$): _____

Contact info (Email & Phone Number): _____

Special Capabilities: (i.e. Welding, Brazing, Painting, Machining, etc.)

Supplier Provides Programming (i.e. Software / Firmware, etc.)

If yes, Provide Process Map, Revision Controls, Change/Updates & Verification steps

DAIKIN

Supplier Assessment and Audit Form - QMS01236

Daikin On-Site Audit Date: _____ Daikin Auditor: _____

NOTE: Please provide Management Organizational Chart

Certifications and Software

SSA Information

ISO 9001:2015

YES

NO

Provide Valid Certificate

ISO 14001

YES

NO

Provide Valid Certificate

AS 9100

YES

NO

Provide Valid Certificate

Environmental Management 14001

YES

NO

Provide Valid Certificate

Supplier Provides Programming (i.e. Software / Firmware, etc.)

YES

NO

If so, provide process map, Revision Controls, Change/Updates and Verification steps

Scoring Description

G

Supplier exhibits predominant completion and maturity of the process/system/activity meeting desired requirement.

90 - 100%

Y

Supplier exhibits existence and awareness in-work of the process/system/activity mostly meeting desired requirement.

60 - 89%

R

Supplier exhibits lack of capability, awareness or in-work of the process/system/activity while not meeting desired requirement.

0 - 59%

Management Responsibility

G

Y

R

Supporting Documents

Is there a quality policy, which includes the company's objectives and commitment to quality and communicated?

Is there an organizational chart and is it current? (Please complete "Supplier Profile" tab)

Is there an established "Plant Security System" to protect Daikin product?

Does your organization with management have an established Capacity Planning Process?

Does your organization have a written Disaster / Force Majeure plan in place with a recovery plan?

Does your organization have and deploy an established internal audit program?

Is there a member of management responsible for maintaining a quality system and reporting performance?

DAIKIN

Supplier Assessment and Audit Form - QMS01236

Daikin On-Site Audit Date: _____ Daikin Auditor: _____

NOTE: Please provide Management Organizational Chart

Certifications and Software

SSA Information

ISO 9001:2015

YES

NO

Provide Valid Certificate

ISO 14001

YES

NO

Provide Valid Certificate

AS 9100

YES

NO

Provide Valid Certificate

Environmental Management 14001

YES

NO

Provide Valid Certificate

Supplier Provides Programming (i.e. Software / Firmware, etc.)

YES

NO

If so, provide process map, Revision Controls, Change/Updates and Verification steps

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Is there a member of management responsible for maintaining a quality system and reporting performance?

Audit Results

90%

Audit Title	Avg Score
Management Responsibility	5.0
Infrastructure & Quality Systems	5.0
Purchasing	5.0
Audits and Improvement	3.7
Corrective Actions	4.3
Handling / Packaging Preservation	3.0
Training	5.0
Reliability	5.0
Environmental Social Governance (ESG)	4.6
Manufacturing Equipment	4.2
Tooling	5.0
Shop Floor Manufacturing	4.2
Shop Floor Quality	2.7
Workforce	3.5
Continuous Improvement	4.3
Special Processes	5.0
Capacity Analysis	5.0
Sub-Tier Management	5.0
ES	5.0

Profile

Assessment_Audit Sheet

Summary

Action Plan

Supplier Profile

Assessment Questions

Results

Correction Actions

Supplier Assessment:

- 4 Core Sections

Supplier Assessment Process

Management Responsibility	G	Y	R	Supporting Documents
Is there a quality policy, which includes the company's objectives and commitment to quality and communicated?	X			
Does an organizational chart exist and is it current? (Please complete "Supplier Profile" tab)	X			
Is there an established "Plant Security System" to protect Daikin product?	X			
Does your organization with management have an established Capacity Planning Process?	X			
Does your organization have a written Disaster / Force Majeure plan in place with a recovery plan?	X			
Does your organization have and deploy an established internal audit program?	X			
Is there a member of management responsible for maintaining a quality system and reporting performance?	X			
Infrastructure and Quality Systems	G	Y	R	Supporting Documents
Does organization have an established Quality Lab?	X			
Does organization deploy APQP Advanced Product Quality Planning? (i.e. DFMEAs, PFMEAs, Control Plans, etc.)	X			
Do you have equipment capabilities? (i.e. CMM, Vision System, Flat Plate, Hand Tools etc.)	X			
Is there a documented procedure confirming capability to meet requirements including deviations?	X			
Does organization conduct Gage R&R Studies?	X			
Does organization have an established Metrology Team, or use of a third party accredited metrology lab?	X			
Organization is trained and able to submit required PPAP packages and meet all requirements?	X			
Does organization have a "secured" quality HOLD area for non-conforming material/product?	X			
Does your organization track, contain and ID/Tag non-conforming materials?	X			
Does organization deploy a Predictive / Preventative Maintenance program (i.e. PM frequencies, schedules, spare parts etc.)	X			
Purchasing	G	Y	R	Supporting Documents
Does quality interface with/support purchasing in selecting, developing suppliers to meet standards expected of the customer?	X			
Does your organization have a process to select, approve, and control Tier 2 and Tier 3 suppliers?	X			
Supplier rating or score card system exists for subcontractors/suppliers to drive continuous improvements with problem suppliers?	X			
Has your organization mitigated supply risk with your tier 2 and tier 3 suppliers by dual sourcing? (G->40% spend dual sourced, Y-20-39%, R-<20%)	X			
Do you have available capacity to fully support Daikin's current demand and support ongoing growth? (G-80-100%, Y-60-79%, R-<60%)	X			
Does your most recent 12 month PPM meet Daikin's requirements? (G-<500, Y-501-1,500, R->1,500)	X			
Does your most recent 12 month OTD meet Daikin's requirements? (G->90%, Y-80-89%, R-<80%)	X			
Are your lead-times to Daikin competitive with your other customers and meeting our expectations?	X			
Are you aware of the Daikin (SOM) Supplier Operations Manual and are you able to meet all expectations?	X			
Do you stock sufficient raw material, WIP, and finished goods to ensure no disruptions to Daikin's manufacturing?	X			
Is incoming materials & purchased goods inspected? (i.e. AQL inspection methodologies, incoming inspection plans etc.)	X			
Audits and Improvement	G	Y	R	Supporting Documents
Does your organization deploy Continuous Improvement and Kaizen activities?	X			
Does your organization deploy Process Audits, Layered Audits, Tier Level Meetings etc.?	X			
KPI metrics displayed, on the shop floor? (OTD, cycle time, WIP count, down time, yield, escapes, attendance, on time start etc.)	X			

Corrective and Preventive Action	G	Y	R	Supporting Documents
Does review of corrective action (CA) records show that determination of root cause is stressed to prevent recurrence of the problem?	X			
Does Internal Audits tie back into the CAPA corrective action process?	X			
Does your CAPA System include "read across" methodologies? (i.e. same as, similar products/processes affected etc.)	X			
Are Error Proofing Levels (1-5 Poka-a-Yoke) to verify effectiveness of CA?	X			
Handling, Storage, Packaging, and Delivery	G	Y	R	Supporting Documents
Procedures for handling of Raw Material and Finished goods?	X			
Available on-site warehouse and/or 3PL off-site warehouse?	X			
QR code and or 2D Barcode in place and can be scanned scanned and verified at Final Verification.	X			
Established Packaging Requirements? (i.e. Pallets, Crates, Boxes, Shrink Wrap, Labels)	X			
Training	G	Y	R	Supporting Documents
Formal new employee orientation/training program such as Quality, Safety, and ESD (when applicable) practices?	X			
Does the organization deploy and require Personal Protective Equipment training / PPE use?	X			
Does the organization conduct Safety Training and Personal Protective Equipment requirements ?	X			
Reliability	G	Y	R	Supporting Documents
Is Design for Reliability incorporated into the product development process?	X			
Evidence of product data regarding life-cycle, prediction, prevention & management of uncertainty risks of failure	X			
Test capabilities to meet Daikin reliability requirements?	X			
Environmental Social Governance (ESG)	G	Y	R	Supporting Documents
Is there a program in place that defines environmental responsibilities?	X			
Is there a process established that related to the preparation for and reaction to possible emergency situations?	X			
Do you have a program to manage global compliance matters? (i.e. REACH, RoHS, Conflict Minerals, etc.)	X			
Do you have a program in place to assess corporate social responsibility with your supply base?	X			
Is there evidence that local and national environmental requirements are being followed?	X			
Manufacturing Equipment	G	Y	R	Supporting Documents
Does the machinery have the proper capability?	X			
Is the machinery modern & updated?	X			
Is TPM adequate and on schedule?	X			
Is equipment ready to perform?	X			
Is CNC & solid modeling capability adequate?	X			

Supplier Assessment:

- 105 Core Assessment Questions
- 19 Core Assessment Sections

Supplier Assessment Process

Tooling	G	Y	R	Supporting Documents
Does the company have a tool shop?	X			
Is the tooling robust & capable?	X			
Are tools appropriately stored & maintained?	X			
Is there a tooling maintenance schedule?	X			
Is there a robust calibration system?	X			
Are the tooling numbers controlled?	X			
Shop Floor Manufacturing	G	Y	R	Supporting Documents
Are there controlled router/travelers that maintain with the parts?	X			
Are there controlled operation instruction sheets at work station?	X			
Are operations signed off & dated by the operator or inspector etc...?	X			
Are the router/travelers & OIS's configuration controlled?	X			
Are non-conformances documented on the router/traveler?	X			
Are customer or internal drawings used at the work stations?	X			
Are tier production meetings held? Gemba walks & boards?	X			
Do they have a LEAN shop floor layout?	X			
Do they employ a demand flow type system?	X			
Are visual queues used? (Production boards, Kanban's, Andon lights, performance indicators)	X			
Are inventory controls used (Kanban's, kitting, JIT etc...)	X			
Is SPC measured, processed and fed back to work station?	X			
Are up to date metrics displayed, and reviewed on shop floor? (OTD, cycle time, WIP count, down time, yield, turnbacks, escapes, attendance, etc...)	X			
Do they have an adequate stocking area?	X			
Have PFMEAs been completed?	X			
Shop Floor Quality	G	Y	R	Supporting Documents
Do they adequately process NCM and RRCAs?	X			
Do they have an adequate MRB disposition system?	X			
Do they have an adequate MRB holding area?	X			
Do they have adequate inspection equipment?	X			
What is the current OTD rate to customers for last 12 months?	X			
What is the current reject rate from customers in the last 12 months?	X			
Workforce	G	Y	R	Supporting Documents
Do they have an org chart?	X			
Do they have a training/credentials process?	X			
Do they have a cross training matrix?	X			
Is there a talent pool?	X			

Continuous Improvement	G	Y	R	Supporting Documents
Do they perform CI events or deploy CI tools?	X			
Are there examples of error-proofing on fixtures, operations, or processes to eliminate the possibility of producing defects?	X			
Do they have a CI mentor or manager?	X			
Special Processes	G	Y	R	Supporting Documents
Are required special processes completed in-house?	X			
If so, are they certified and audited?	X			
Are required special processes completed at a sub-tier?	X			
If so, are they certified and audited?	X			
Capacity Analysis	G	Y	R	Supporting Documents
Machines: Is their current in-use capacity analysis tool/process adequate?	X			
Machines: Does their current in-use capacity analysis indicate enough capacity?	X			
People: Is their current in-use capacity analysis tool/process adequate?	X			
People: Does their current in-use capacity analysis indicate enough capacity?	X			
Sub-Tier Management	G	Y	R	Supporting Documents
Do they monitor & evaluate their sub-tier supplier's capacity?	X			
Do they monitor & evaluate their sub-tier supplier's performance?	X			
Do they monitor & evaluate their sub-tier supplier's accreditations?	X			
Do they monitor & evaluate their sub-tier supplier's financial stability?	X			
6S	G	Y	R	Supporting Documents
Sort - No objects on the shop floor that are not in use or being staged for use.	X			
Set in order - Items arranged such that they can be identified & accessed easily.	X			
Shine (systematic cleaning) - Maintained clean and functional workplace on a daily basis.	X			
Standardize - Clear and simple visual cues that indicate whether or not "sort" and "set-in-order" are being maintained.	X			
Sustain - Effective, ongoing application regarding keeping an effective workplace.	X			
Safety - Post, monitor & enforce safety protocols	X			
Daikin Audit Overall Score				
100%		Note: Daikin Applied Americas will review and consider supplier RCCA actions based on results.		

Supplier Assessment:

- 105 Core Assessment Questions
- 19 Core Assessment Sections

Supplier Quality Plan

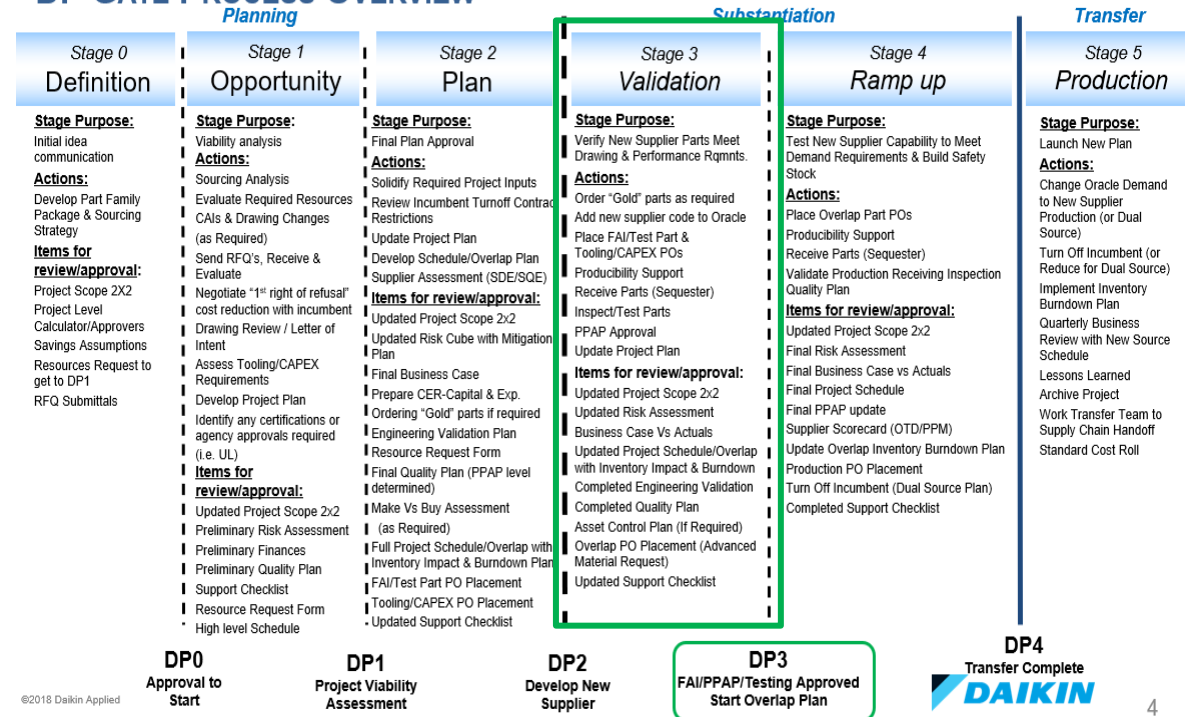
SUPPLIER QUALITY PLAN - RACI AND EXPECTATIONS

QUALITY PLAN DATE: _____

Items	Data / Expectations	RACI / Deliverables
- SSA - Audit - Qualification	- New suppliers / High Risk - New suppliers / High Risk - Supplier site approval	SQE: Supplier Completed Assessment SQE: On-site visit to supplier and Audit SQE: RCCA Findings
- PPAP - Specifications - Reliability - Testing / Approval	- PPAP Level and Expectations. - Application Review – Critical Requirements - Engineering Reliability Expectations - Engineering Testing / Acceptance: - Application, Functionality, Performance - Hardware, Modems, Software, Compatibility	SQE: PPAP Calculation / Level ENGINEERING: Red-Line Review with SQE / Plant QA ENGINEERING: Reliability requirements MTBF, Durability, and Product Life ENGINEERING: Critical Characteristic / Assemblies & P/N's: - Motors, Coils, Compressors, Dampers, Control Panels, Fans, Heaters, Compatible, Connections, Functionality etc.
- Safe Launch - Receiving Inspection	- Safe Launch – Protection (criteria) - Plant Receiving Inspection – BU / QC Plan	SQE: Supplier plan for Safe Launch protection, timing and duration. DAA Plant: Receiving AQL levels and Inspection Plan



DP GATE PROCESS OVERVIEW



Supplier Quality Plan

- Project Supplier Quality Plan
- DP Gate Review Slide



PPAP (Production Part Approval Process) Levels define the amount of documentation a supplier must provide to a customer to approve a new part or process.



Level 1: The supplier submits only the Part Submission Warrant (PSW) to the customer.



Level 2: The supplier submits the PSW, product samples, and limited supporting data.



Level 3: The supplier submits the PSW, product samples, and complete supporting data.

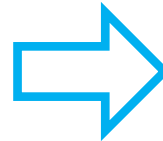
-- This is often the most common requirement.



Level 4: The supplier submits the PSW, and other requirements defined by the customer.



Level 5: The supplier submits the PSW, product samples, and complete supporting data, which must be available for review at the supplier's manufacturing location. This level may also include an on-site audit.



Example Conditions:

- **Low Risk: Level 1** – Catalog off the Shelf, Distribution Parts, Commercially available such as a valve, tape, foam
- **Medium Risk: Level 2** – Low complexity parts/assemblies, Minimal reliability impact such as a plastic electrical block, fuse,
- **Common: Level 3** – Covers all core requirements to address general overall risk such as a Fabricated Control Box, Controllers, Sheet Steel, Copper, Bases
- **Customer: Level 4** – Defined by the customer.
- **High Risk: Level 5** – Existing or New supplier with complex product or processes. Location change, material change, process change on complex Compressor assemblies, Motors, Coils, Blower Wheels, Dampers, Pump Package's

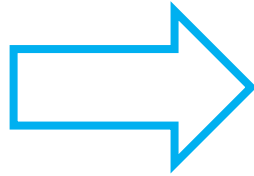
PPAP Scoring and Level Selection

Parts Approval:

- PPAP Scoring Process
- Determining PPAP Level

PPM Level Scoring Factors:

- Safety
- Reliability
- Complexity
- PPM Level
- New Supplier
- New Part(s)



Safety & Functionality (SF)		Part Complexity/Manufacturability/likelihood of a problem (PC)		Examples or Commodities
1	No safety implications; annoyance/customer satisfaction issue (making noise, etc)	1	COTS (commercial off the shelf)	nuts, bolts, o-rings, manual ball or butterfly valves, Transformers below 600V
2	partial degradation of performance	2	Electro-Mech; non-custom	solenoid valve
3	large degradation of performance	3	Minor customizations to #1 or #2 above such as elec connections. certifications required (eg: UL, ETL, ASME)	minimal customization to above, 8-pin M12 IGV cable with custom color coded leads
4	complete loss of function or compliance issue (doesn't meet UL anymore)	4	Modification of COTS; new item in family	Different CV than they normally produce; expand product line; relief valve
5	potential to damage unit	5	Basic make to print using supplier's standard processes with no elec or mech. No Critical Characteristics	Basic casting, machining, metal fab, block off plates, spacers, vandal guards,
6	potential to damage other property	6	Non-custom OEM. NO certification required (eg: UL, ETL, ASME, balancing)	non-custom compressors, motors
7	potential to injure/harm	7	Non-custom OEM. Certification required (eg: UL, ETL, ASME, balancing)	non-custom compressors, motors, all VFD's, all Controller's, Transformers above 600V, Harmonic Filters
		8	More complex make to print with Critical Characteristics	impellers, bearings, gears, discharge housing, guide vanes
		9	Custom Electro-Mech (dynamic) OEM. NO certification required (eg: UL, ETL, ASME, balancing)	custom compressors, motors
		10	Custom Electro-Mech (dynamic) OEM. Certification required (eg: UL, ETL, ASME, balancing)	WMC compressor (from Danfoss Turbocor), all stators (from Regal Beloit)

NPI Purchased Parts List- Communication Tool between Engineering, Drafting, Integrated Supply Chain, Reliability, and SQA

Project Name:
Project #:

Bare minimum to receive a PPAP score

Sourcing		Sourcing	Sourcing	Engineering	Engineering	Engineering	Engineering	MUST HAVE for B	Sourcing	Sourcing	SQA	SQA	SQA	SQA	SQA	SQA	SQA	SQA	SQA	SQA	SQA
Item #	Date Added	Daikin Applied P/N	Description	Safety & Func	Part Criticality / Complexity	EAU Yr1	Supplier P/N	Sourced Supplier Name	Existing Supplier (Y/N)?	Have we purchased this technology from this supplier before	PPAP Level	PPAP Qty	PPAP Parts P.O. #	PPAP Part Parts Due date	PPAP Submission Status	PPAP parts received (Y/N)	PPAP Workbook Received (Y/N)	PPAP Approved (Y/N)	Eng. Approved parts for use in MCS and/or Pilot?	Notes/Actions/Re work Plan Explanation	PPAP Status after Rework
1		333991112	PIPE, EVAP, FLOW SENSOR DIA. 2.50" NOM. PIPE	2	5	348		Magna Fab	N	n/a	3	5								-06	
2		333991111	PIPE, EVAP, FLOW SENSOR DIA. 3.00" NOM. PIPE	2	5	260		Magna Fab	N	n/a	3	5								-07	
3		333991113	PIPE, EVAP, FLOW SENSOR DIA. 4.00" NOM. PIPE	2	5	?		Magna Fab	N	n/a	3	0	na							-09	
4		333991115	PIPE, EVAP, CONNECTION, LEAVING, 6.0" NOM.	2	5	?		Magna Fab	N	n/a	3	0	na							-12	
5		334909410	STEEL PIPE, HEAT RECOVERY, 2.0P X 7.00L WITH HOLES	2	5	?		Magna Fab	N	n/a	3	5								-05	
6		334909420	STEEL PIPE, HEAT RECOVERY, 2.0P X 5.63L WITH HOLES	2	5	?		Magna Fab	N	n/a	3	0	na							-05	
7		334909430	PIPE, HALF COUPLING, 1.00 PIPE, 3/4" F.P.T.	2	5	?		Magna Fab	N	n/a	3	5								n/a	
8		334909421	STEEL PIPE, HEAT RECOVERY, 2.0P X 5.63L WITH HOLES	2	5	?		Magna Fab	N	n/a	3	0	na							-05	
9		P082KABBA	PIPE/ CODED 2.5P X 8.2" L X 0.203W VICTAULIC BOTH ENDS	2	5	20		Magna Fab	N	n/a	3	?								n/a	
10		P042KABBA	PIPE/ CODED 2.5P X 4.2" L X 0.203W VICTAULIC BOTH ENDS	2	5	61		Magna Fab	N	n/a	3	?								n/a	
11		P099LEBBA	CODED PIPE 3.0P X 9.9L X .216W VICTAULIC BOTH ENDS	2	5	81		Magna Fab	N	n/a	3	?								n/a	
12		333991101	PIPE, EVAP, FLOW SENSOR DIA. 3.00" NOM. PIPE.	2	5	?		Magna Fab	N	n/a	3	0	na							-07	
13		910322567	STEEL PIPE, 4.0P X 31.10L X .237W	2	5	50		Magna Fab	N	n/a	3	5								-09	
14		333991103	PIPE, EVAP, FLOW SENSOR DIA. 4.00" NOM. PIPE	2	5	50		Magna Fab	N	n/a	3	0	na							-09	

PPAP Process Stages

Parts Approval:

- PPAP Workbook:
 - Approved Drawings
 - Approved Specifications
 - Sample Requirements
 - Engineering Performance Testing
 - Engineering Reliability

Part Submission Warrant	
*Supplier to fill in shaded boxes. Part Name _____ Other Daikin PN's qualified under this PPAP: ☐ Yes ☐ No (If 'Yes' list the parts on the 'Additional PN's' tab) Shown on Drawing No. _____ Engineering Change Revision Level _____ Additional Engineering Changes _____ Safety / Government Regulation / Agency Requirements? ☐ Yes ☐ No PPAP Created by & date created: _____ Daikin Applied Part Number _____ Supplier Part Number _____ Purchase Order No. _____ Dated _____ If Yes, list applicable requirements: _____ SUPPLIER INFORMATION Organization/Supplier Name _____ Street Address _____ City _____ Region _____ Postal Code _____ Country _____ MANUFACTURING LOCATION Name (if different than above) _____ Street Address _____ City _____ Region _____ Postal Code _____ Country _____	DAIKIN INFORMATION Daikin Business Unit(s) (STN, AAH, ATS, SiteLine Controls) _____ Buyer Email (optional) _____ Site Quality Email (optional) _____ Supplier Quality Email _____ Other Email (optional) _____
▶ Supplier Instructions Part Submission Warrant (PSW) Additional PN's Checklist Numbered Drawing FAI Material Specification Packaging Environment	



0	0	0
Supplier Name	Part Name	Part Number

****PPAP Documentation requirements defined by Daikin Applied**

(Non applicable workbook tabs maybe hidden)

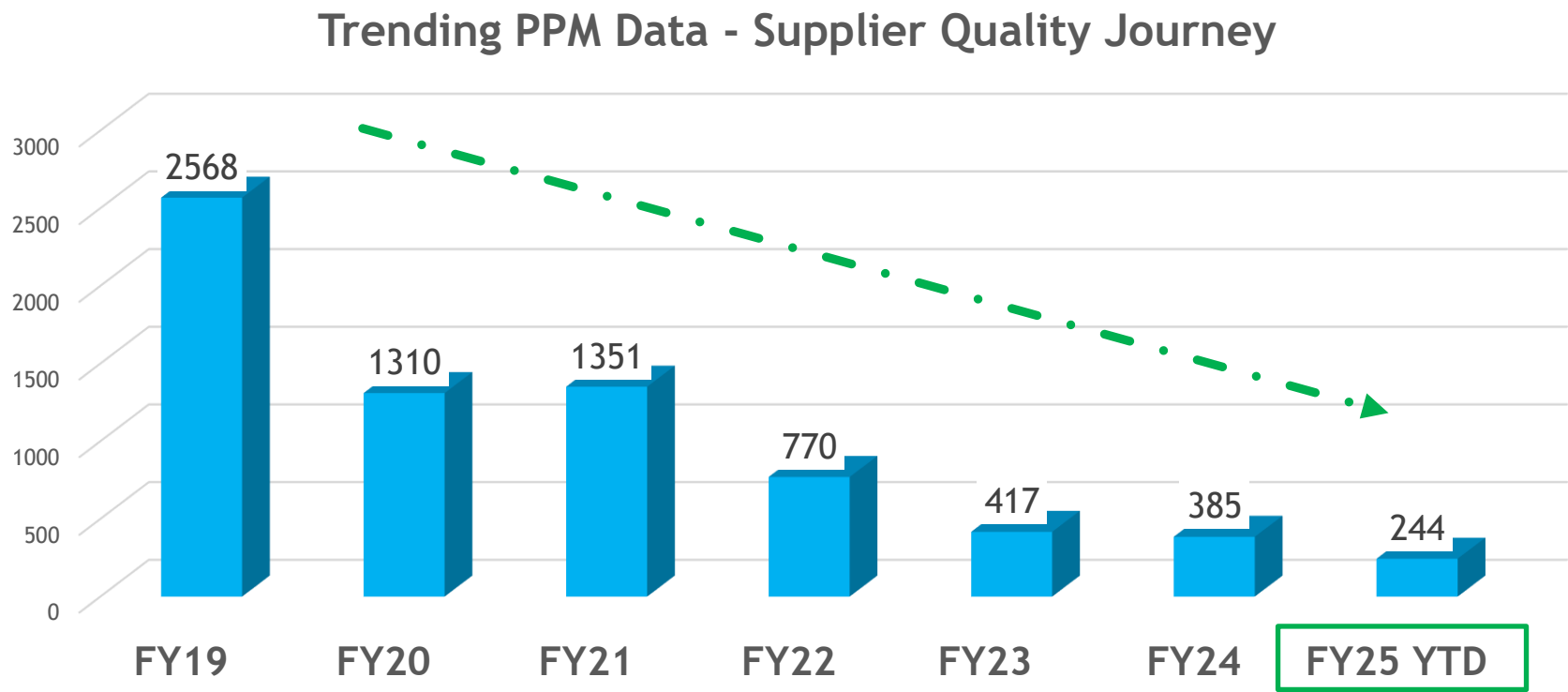
ANY ITEMS NOT REQUIRED (based on PPAP level from PSW), PLEASE EXPLAIN

Status and Date Complete columns are optional.

Level	Req'd	Status	Date Complete	Comments
1	Part Submission Warrant (PSW)	Yes	Not yet submitted	
2	Samples Quantity: (Each sample must be uniquely identified so Daikin can match with the dim. results. Samples label must be used on packaging.)	Yes	Not yet submitted	5 samples of each part number
	Numbered Drawing (must be Daikin drw unless given approval by Supplier Quality to use the supplier's drawing)	Yes	Not yet submitted	
	Supplier FAI (First Article Inspection)	Yes	Not yet submitted	
	Daikin FAI (First Article Inspection)	Yes	Not yet submitted	
	Material Specification and/or Appearance Report (If the drawing calls out a material or specific color, provide evidence that the correct material is used.)	Yes	Not yet submitted	
	Packaging & Labeling	Yes	Not yet submitted	
	Environmental (if ROHS or other environmental standard listed on drawing or spec)	Yes	Not yet submitted	
3	Feasibility Commitment (only required for custom material. Not required for Commercial-off-the-shelf product)	Yes	Not yet submitted	
	Process Flow Chart	Yes	Not yet submitted	
	PFMEA	Yes	Not yet submitted	
	Control Plan	Yes	Not yet submitted	
	Gage R&R/MSA (on gages used for CC's shown on DAA drawing, if any)	Yes	Not yet submitted	
	Process Capability Report (on CC's shown on DAA drawing, if any)	Yes	Not yet submitted	O.D, I.D, Thickness, Lenght & Angle.
	Tool Detail and/or checking aids (if related to casting or molding tool specific to DAA design, or if specialized inspection equipment is needed.)	No		
	SOFTWARE: Supplier Provides Programming (ie Software / Firmware etc.) If yes, Provide Process Map: Revision Controls, Change/Updates & Verification steps	Yes	Submitted, under review	Revision control, Change, and Test Verification
	Performance	No		
4	DFMEA			
	Design Verification Plan			
	Reliability Report			
5	On-site Verification of PPAP Elements	Yes	Not yet submitted	
	Safe Launch	Yes	Not yet submitted	
	Other (add here)			



Supplier Quality True North journey = 400 PPM Goal



World Class Supplier Quality = **ZERO PPM**



- Process Maturity
- Team Alignment
- Proactive Quality Planning
- Supplier Audit Process
- Supplier Metrics

END