

ADLINK San Jose
Manufacturing Center
(SJMC)

ITAR & FDA Registered

Production and Quality Operation Overview - 2025



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Global Reach, Local Touch

ADLINK Global Operation Center



6 Design Centers

and India

In USA, Europe, Taiwan, China

30 YEARS OF EXPERIENCE IN EMBEDDED COMPUTING

ADLINK Manufacturing Centers

Taipei Manufacturing Center (TPMC)

Manufacturing Footprint

12,570 m² (135,302 ft²)

Production Capacity

2 SMT lines, 45K boards/month max IPC assembly, 15K sets/month max Panel assembly, 6K sets/month max Automotive line, 45K boards/month max

Quality Certifications

ISO9001: 2015 TL9000:2016-H ISO13485: 2016 ISO/IEC 17025: 2017 ISO/IEC 80079-34: 2018

ISO14001: 2015 ISO45001: 2018 ISO14064-1:2018



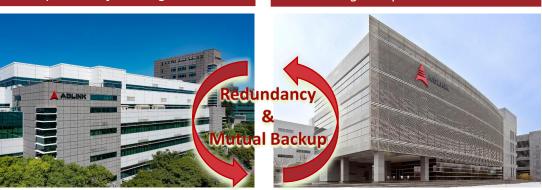
ISO26262:2018 ITAF16949:2016 ANSI ESD S20.20:2021 ISO/IEC27001:2013 RBA certified

TPMC

Taipei Manufacturing Center

SHOC

Shanghai Operation Center



Shanghai Operation Center (SHOC)

Manufacturing Footprint

24,409 m² (262,736 ft²)

Production Capacity

3 SMT lines, 70K boards/month max IPC assembly, 3K sets/month max

Quality Certifications

ISO 9001: 2015

TL 9000

ISO 13485: 2016

ISO/IEC 80079-34: 2018

ISO 14001: 2015 ISO 45001: 2018



Capabilities

Advanced manufacturing technologies
AMR for automated production
Al-driven solutions in manufacturing
Robotics for automated production
Optimized ADLINK Production System
Lean production

ADLINK Quality & EHS Certification

























ITAR and FDA Registered, ISO 9001-2015 Certified and ISO 13485 Certified

SJMC Operation Overview and Capacity

100+ employees in North America

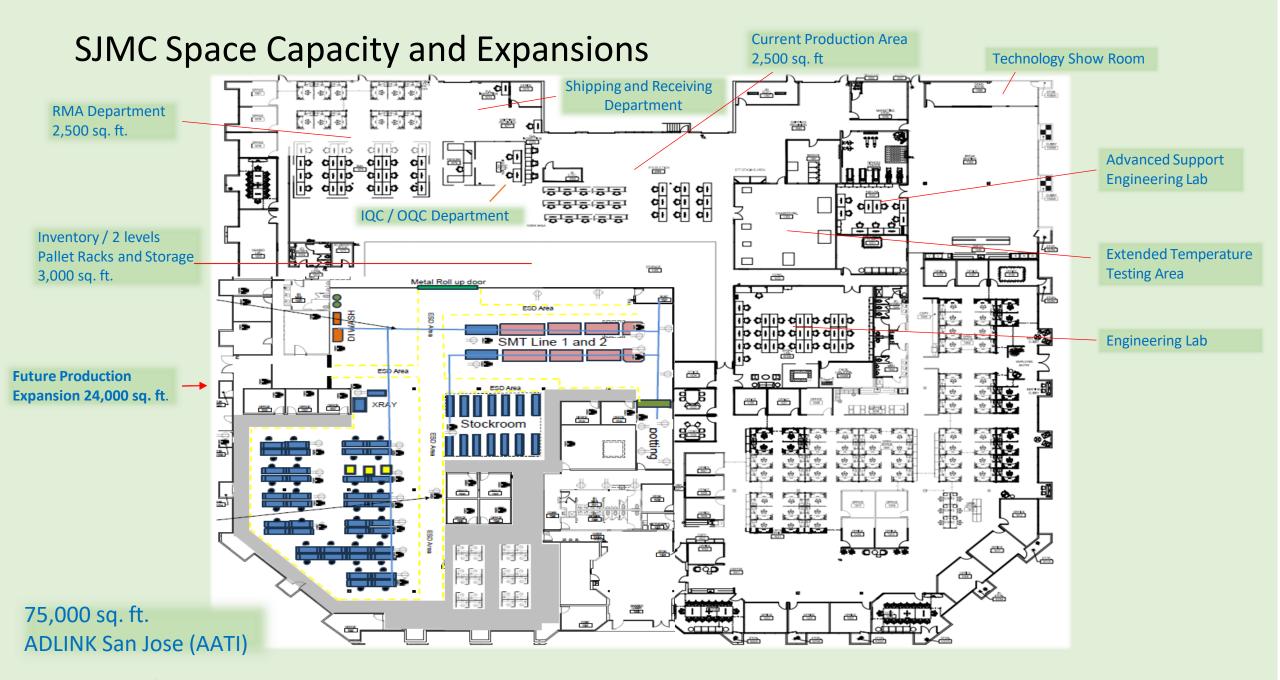
23+ employees for Operation / Warehouse / Service Support

High Mix / Low Volume Products ordered in Production:

- Contain orders in 1-100 units, average within 1-25 units per order
- Sales Order-average 5 days lead time with stock on hand
- Safety Stock (BTOS) work order –average 5-7 days lead time with stock on hand
- Urgent request 4-6 week lead time depending on quantities
- Single Board Computers / Systems @ \$10 Million Shipped Monthly

Flexibility:

- Add Second shift head count / space will be implemented when necessary to double the capacity or any necessary need.
- Large quantity 500+ units/m projects, we can extend our capacity to be integrated in ADLINK Taiwan or China factory and direct drop ship to customer.



Additional Redundancy

Essential to Mitigate Risk

Current Occupied Floor Space is 45K Sqft.

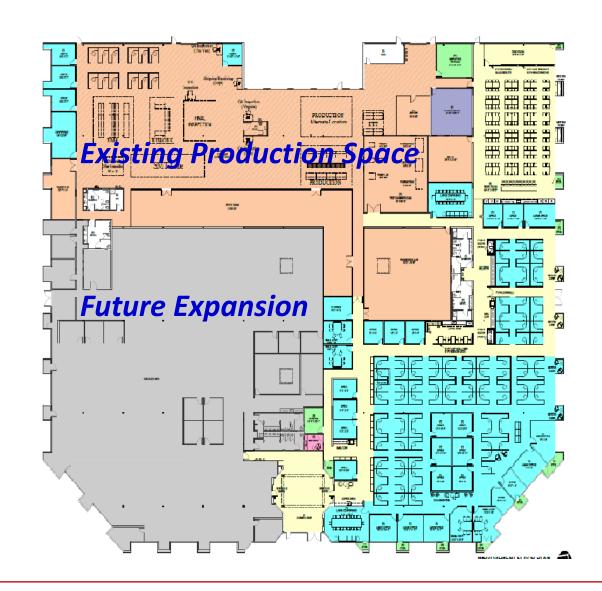
- 37% is dedicated to production
- 63% is dedicated to administrative staff

Facility Capabilities

- Design team/Engineering resources
- Dedicated MFG/QA team
- Quick turn samples (30 days)

Future Expansion

- Manufacturing site w/SMT lines
- Made-in-USA
- Completion date Q4 2025





Supporting Healthcare
Innovation with Compliant
Contract Manufacturing
Services at SJMC



SJMC FDA-Compliant Contract Manufacturing

Compliant Contract Manufacturing for Healthcare Innovation

FDA Compliance:

- Our facility in San Jose, California, complies with FDA regulations, enabling us to perform contract manufacturing for medical devices.
- We specialize in value-added services and complete box builds for OEMs, aligning with stringent quality and regulatory standards.

Efficient Production Timeline:

 Following product listing submission, we can begin manufacturing in just 2-4 weeks, facilitating a swift market entry.

Expertise:

 30 Years of Engineering expertise in embedded computing for healthcare applications, including edge computing and AI implementations.



Advantages of Partnering with ADLINK

Streamline Your Path to Market

Tailored Manufacturing Services:

- Our FDA-compliant facility offers customized manufacturing solutions designed to meet the specific needs of medical device OEMs.
- Equipped to handle complex assemblies, we integrate advanced technologies like edge computing and Al into medical devices.

Scalable Manufacturing:

Capabilities to support diverse medical device categories, ensuring flexibility and reliability.

Strategic Impact:

- Working with our FDA-compliant facility reduces your total cost of ownership and accelerates your product's time-to-market.
- We navigate the regulatory landscape to ensure your medical devices meet all necessary compliance criteria efficiently.







SJMC ITAR Compliance - Secure, Reliable Technologies for Mission-Critical Systems

The ADLINK Advantage for Defense Programs



✓ Enhanced Security:
Prevent unauthorized access
or release of sensitive
technical data



✓ **Streamlined Compliance**: Simplified processes for defense contracts and ITAR requirements



✓ **Specialized Expertise**: Custom solutions for defense applications with export control compliance



✓ **Supply Chain Security**: End-to-end control with ITAR-compliant sourcing



✓ **Competitive Edge**: ITAR registration enables full participation in defense programs

Our Comprehensive ITAR Compliance Framework

OFFICIAL REGISTRATION & CERTIFICATION	COMPLIANCE PROCESSES	STAFF READINESS
 Registered with Directorate of Defense Trade Controls (DDTC) as of January 27, 2025 Registration valid through February 28, 2026 Authorized to handle ITAR-controlled products and technical data 	 Comprehensive ITAR compliance manual implemented Rigorous classification procedures for USML and CCL Secure supply chain with ITAR-compliant partners Controlled technical data management system Regular compliance audits and continuous improvement 	 Specialized ITAR training completed for all relevant teams Role-specific training on export controls and compliance Clear understanding of responsibilities for safeguarding controlled hardware and data

Comprehensive ITAR Compliance Framework

SECURE INFRASTRUCTURE



- ✓ Dedicated 400 sq. ft. ITAR manufacturing and testing facility
- ✓ Restricted access with physical security controls
- ✓ Specialized IT infrastructure for classified document handling
- ✓ Robust cybersecurity protocols for technical data protection

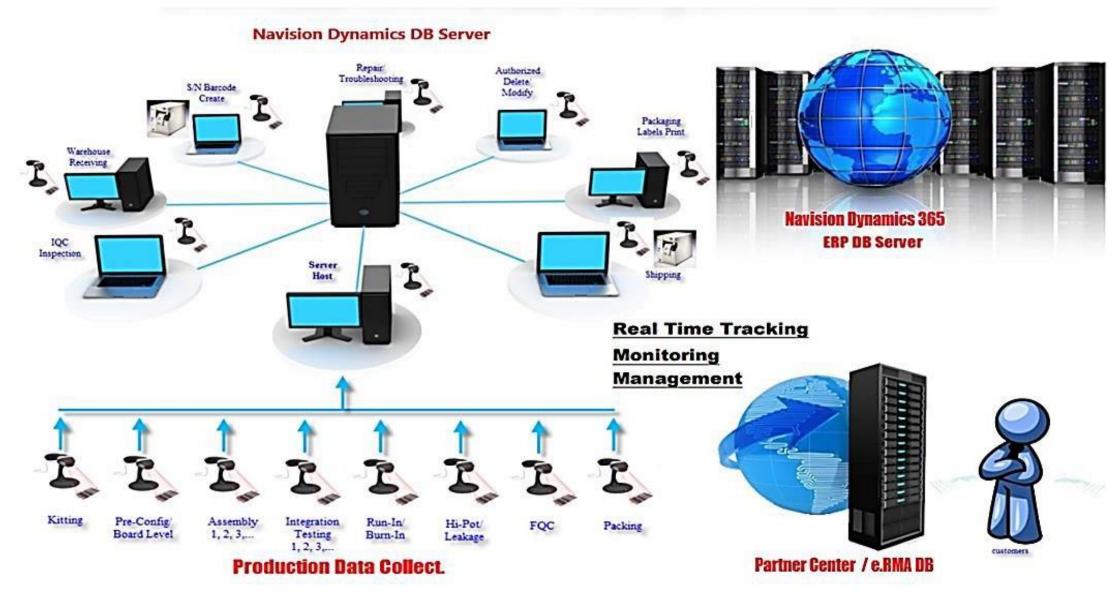




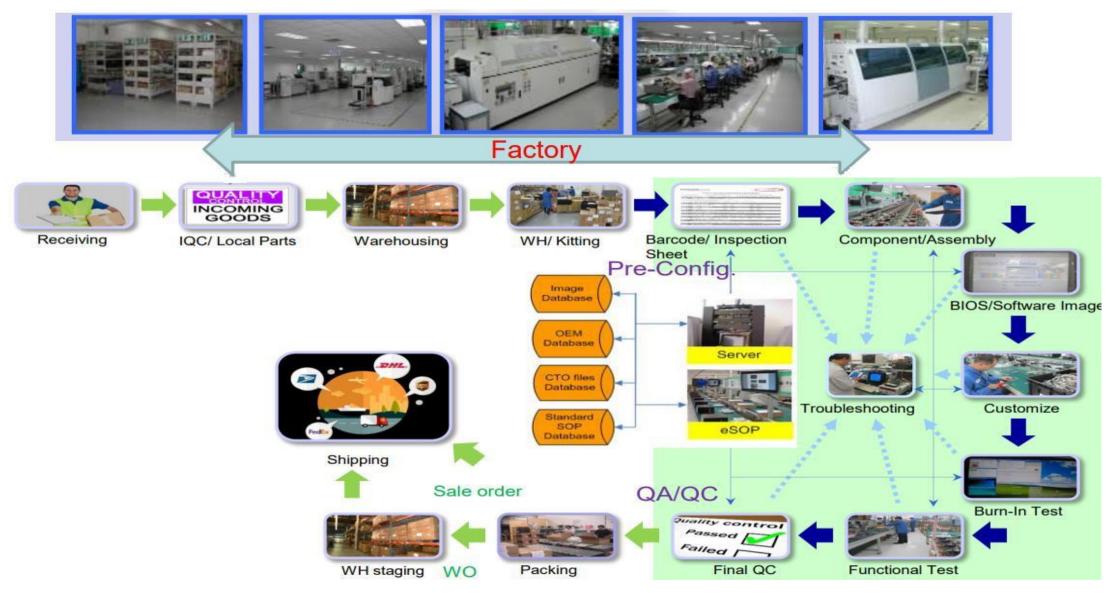




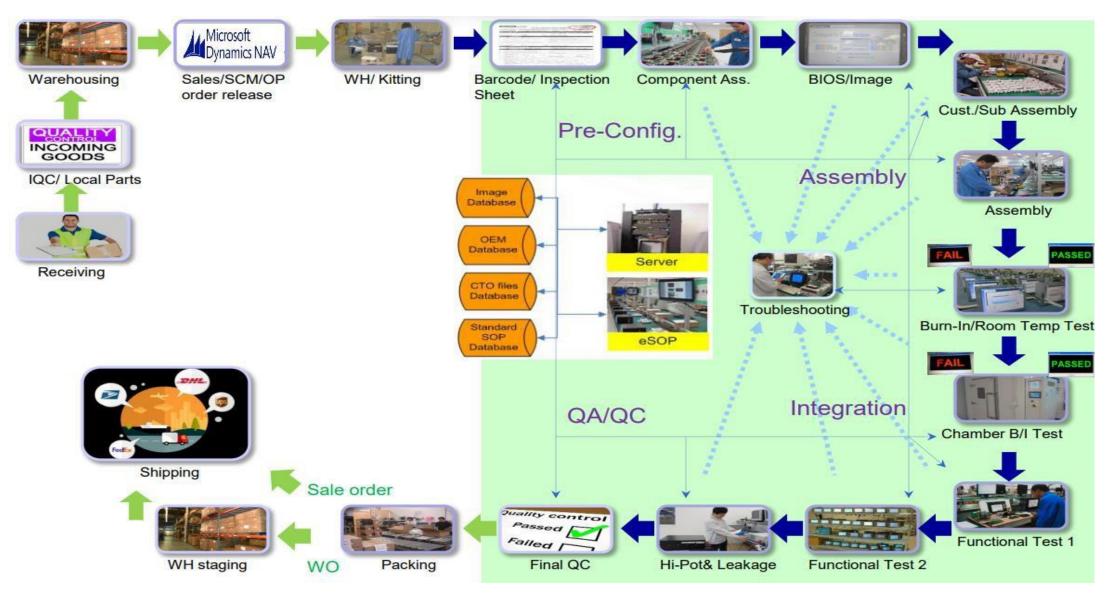
ND365 Process Control & Data Tracking / Navision / e. RMA Database



SBC Process Flow



System Assembly Process Flow



Pre-Configuration and Board Level Capabilities

Board Level / System Level Process

- ✓ Barcode Label / Test Log preparation
- ✓ Component Level assembly and testing
- ✓ SBC Functional / Reliability Extended Temperature Testing
- ✓ SBC Asset Tagging & Serialization

CTOS Extra Services:

- Custom HW/SW Configuration
- Mfg. Process Documentation CTO file / OEM file / DTOS process
- Custom labeling, image/device labeling / packaging
- Software Imaging / Duplication Disk / Storage Devices
- Formatting/Bootloader setup for storage / software duplication
- Embedded Software Installation Linux, MS Windows, VX Works
- Customized BIOS/Firmware upgrades, BIOS setup based on CTO file / OEM File / DTO projects
- Software/image version verification / customized burn-in/testing
- Rework ECN/ECO/QA changes on projects



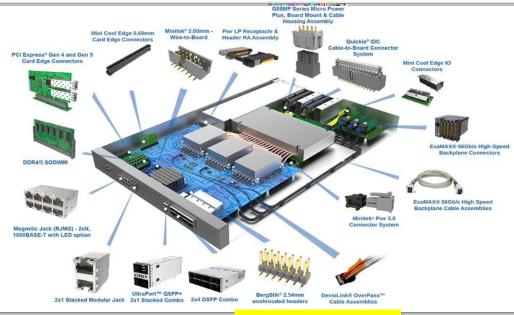




SBC FUNCTIONAL TESTING



MODIFICATION



COMPONENT ASSEMBLY



Integration Capabilities

CTOS Standardized

- BIOS / Firmware configuration and setup
- System level assembly and functional testing
- System Preparation / H/W Drivers installation
- Software Imaging / Duplication Disk/System
- Secured FTP server for Image Mgmt. / Sharing
- Peripherals setting and storage formatting
- Equipment / Tools for Linus / Windows Testing
- Room Temp Burn-in process (Optional 24, 48, 72 Hrs.)
- Extended Temperature Testing (-40°C +85°C)
- Test Log Report / Burn-in data recording
- Urgent Request Expediting Service

















OPERATING System Installation



CHAMBER BURN-IN

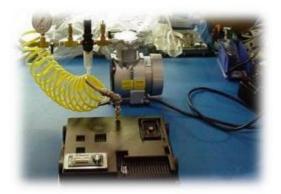


Assembly Capabilities

CTOS Extra Services

- Standardized, Complex and Mechanical assembly
- Mfg. Process Documentation CTO file / OEM file / DTOS Services
- Chassis Logo silk-screening support or assembly
- Chassis wire harness and cable assembly and modification
- Customer's consigned parts assembly / testing
- Ruggedized housing chassis assembly
- Modification request
- Customized chassis assembly
- Customized barcode serialization and labeling
- Small-Mid-Large volumes system level assembly









- BUILD TO ORDER SERVICES (BTOS)
- CONFIGURE TO ORDER SERVICES (CTOS)
- DESIGN TO ORDER SERVICES (DTOS)





MODIFICATION / CUSTOMIZED LABELING

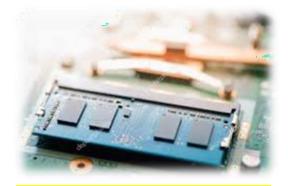
DESIGN & MANUFACTURING SERVICES

SHEET METAL / MECHANICAL ASSEMBLY

Complex Integration Capabilities

Value Add / Extra Services

- Updating BIOS / Firmware
- Customized BIOS Settings
- Customized testing / Customers test equipment
- Configuration setup with all Microsoft Operating Systems
- Memory Integration
- Conformal Coating Services , Acrylic, Urethane, Parylene
- BGA Underfill and Encapsulation Services
- Extended Temperature Testing (-40°C +85°C)
- Forward ETT test results to customer
- Peripherals setting and storage formatting
- Room Temp Burn-in process (Optional 24, 48, 72 Hrs.)
- Urgent Request Expediting Service



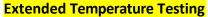
RAM Integration & Firmware updating



Software Activate and Register









Future - Customized Burn-in

CTO FILE / Test Reporting

ADLINK TECHNOLOGY INC.	Salesperson:		
1. Customer Information (to filled o	out by KAM)		
Customer Name	TBD		
Program Name	TBD		
Customer Contact Name	TBD		
Customer Telephone Number	TBD		
Customer E-mail	TBD		
Customer Address	TBD		
2. Product Information (to be filled	Lout by KAM)		
Standard Product Name	TBD		
tandard Product Part Number TBD			
The state of the s			
	I was (poss)		
3. Special Requests (to be filled out			
	K- XXXXX-XXXX (product description) with following upgrades:		
1. TBD 2. TBD			
2. 180			
4. Test Instructions (to be filled out	t by PSM)		
TBD 5. Checklist (to be filled out by test Datasheet included?	ting PSM & KAM)		
5. Checklist (to be filled out by test Datasheet included? PSU & Power cord included (if system)?	ting PSM & KAM)		
5. Checklist (to be filled out by test Datasheet included? PSU & Power cord included (if system)? Operating System load (if system)?	ting PSM & KAM)		
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5. Checklist (to be filled out by test Datasheet included? PSU & Power cord included (if system)? Operating System load (if system)? Does customer require thermal solution? Does customer require memory? 6. Customer Splash Screen? (to be	ting PSM & KAM) Yes		
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			ck Lis			
Manufacturer:		Quantity Received:				
Assembly Description:		Part Number:				
Work Order Number: Date Rec		Date Received:				
)ua	antity Tested/Inspected (See sampling plan below):		100			
j.,	Disposition Pass Fail					
c fu	be obtained from Document Control (DWGs: 935, 001, PC5, RD6, TW ully inspected against the official documentation; that is, every single part ample require a visual inspection and functional test. Special attention m	on the board must be	scrutinized. Al	ll other		s in t
	-		MAJOR /	Pass	Fail	NIA
1	P/N, FAB P/N and rev level, BIOS 710 or 716, GAL labels, custom labels if applicable,					
etc.)? Are labels placed in the correct positions. WORKMANSHIP: Damage (board, traces, parts), parts placement (centered); solder joints (cold, lack of, excess); contamination of contact pins (with solder, flux, grease, etc), cleanliness of board (flux residues, grease, etc.).		MAJOR / MINOR				
3 PARTS ROTATION: Make certain rotation sensitive parts like ICs, Tantalum		MAJOR /				
Capacitors, Diodes, LEDs, Locking Connectors are oriented properly.		had out filein	MINOR MAJOR /	-	-	
4 CUSTOM CONNECTORS / HEADERS: Based on the 001 BOM, check parts deletion and substitution.		neck parts detetion	MINOR			
beader pins are removed and /or cut as specified by the assembly and associated RD6 drawings.		MAJOR / MINOR		<i>5</i>		
6	6 KEY PINS: Make certain key pins are installed at the correct connector positions.		MAJ/MIN	8	8	8
7 CONNECTOR / HEADER LOCATION: Make certain connector / header are inserted		MAJOR /				
8	on top or bottom side as specified by the assembly and associated RD6 drawing. CONNECTOR / HEADER ROTATION: Make certain connector / header orientation		MINOR MAJOR /	-		-
0	meets assembly and associated RD6 drawing specification.		MINOR			
9			MAJOR / MINOR		0 0	i i
10	HEADER / STACK-THROUGH CONNECTOR PIN ALIGNMENT (if applicable): Make certain all header / stack-through connector pins are straight and properly aligned.		MAJOR / MINOR			
11	CUSTOM SHUNT JUMPER SETTING: Make certain shunt jumper selection meets 001 BOM (and TW6 dwg) specs.		MAJOR / MINOR			
12			MAJOR / MINOR			
13			MAJ/MIN			
14	EPOXY (if applicable). Make certain epoxy is applied as specified in		MAJ/MIN	-	i i	9
4.0	TIE-WRAPS (if applicable): Make certain tie-wraps are installed as s		MAJOR / MINOR			
15	drawing. BIOS: Make certain the correct BIOS is loaded. The BIOS is specifie		MAJOR /			

SJMC (Electronic) eSOP



SJMC (CTOS) Production Loading / Workload Info

All Work Load

Month	MOR QTY
Jan	1344
Feb	1967
Mar	1362
April	1678
May	3101
June	2483
July	3644
Aug	3014

Production Workload (CTOS)



Real Time Order Status
Tracking
Production Loading / Monitoring
Order Pending / Shipment Hold
Order Status Lookup

SJMC Sub-Tier Supplier Info / Vendor Management



SJMC Closed Loop Quality System

- Customer Feedback
- Customer Satisfaction Survey





- Quality Suppliers Audit/Survey
- NDA Agreement
- SCN Agreement
- SVL Application
- Vendor Score Card





- Incoming Quality Control
- In-Process Quality Control
- Final Quality Control

Quality in Production Phase

Commitment in Quality Consistency



Pre-Production

IQC (US & OEM/ODM)
NCMR
FAI First Article Inspection
CTO BOM Creation
NCMR Control

In-Production (WIP)

100% Functional Test
IPQC (Work Order)
CTOS / DTOS WIP DOA
CTOS Yield Rate Analysis
QC (PE, IPQC, RMA)

Post-Production

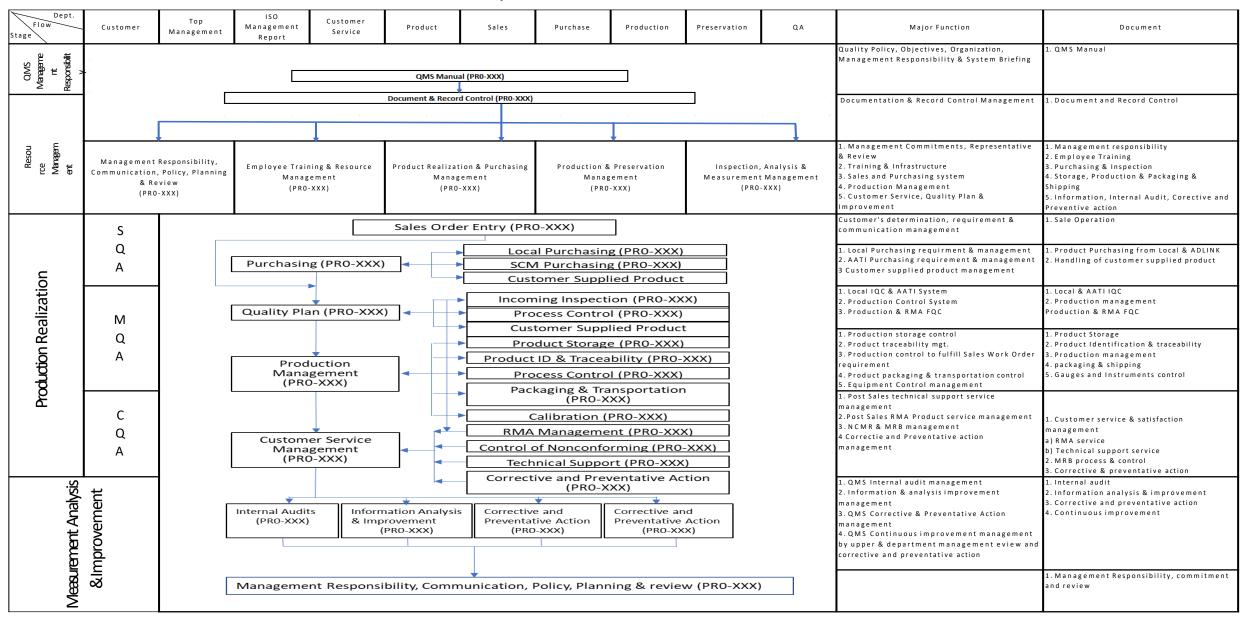
FQC
(Standard, CTO, OEM File)
Hi Pot / Leakage Test
OBA
Record Retention

Quality Satisfaction

Upcoming Audits

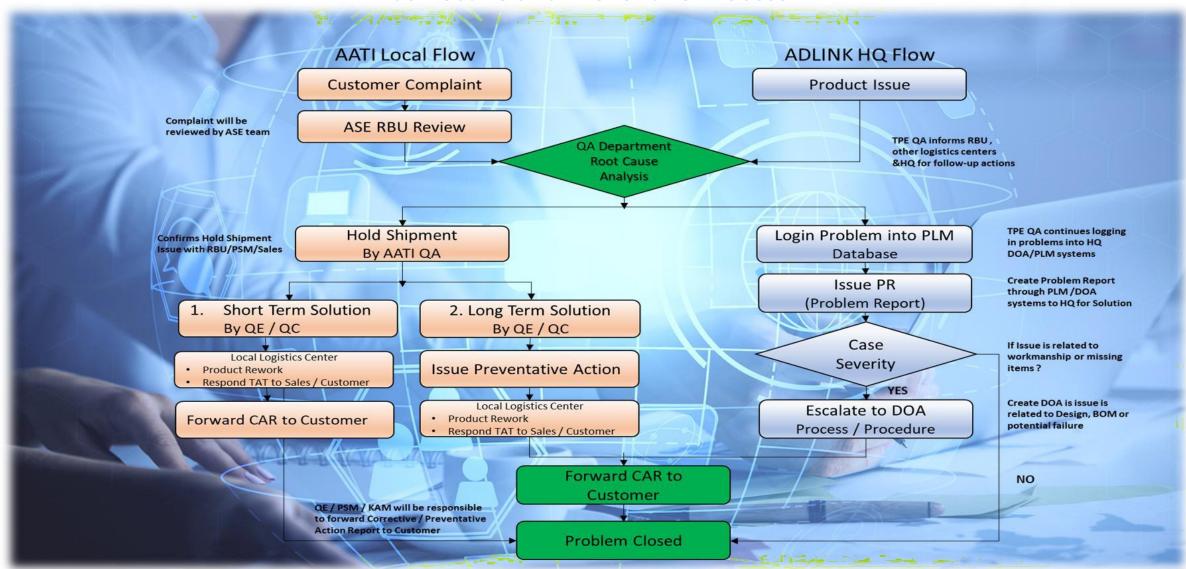
- Internal Quarterly
- ISO 9001-2015 x 1 yearly
- ISO 13485 x 1 yearly

SJMC QMS Flow Chart



SJMC Quality Assurance

Corrective and Preventive Process



SJMC Quality Feedback System

ADLINK Support





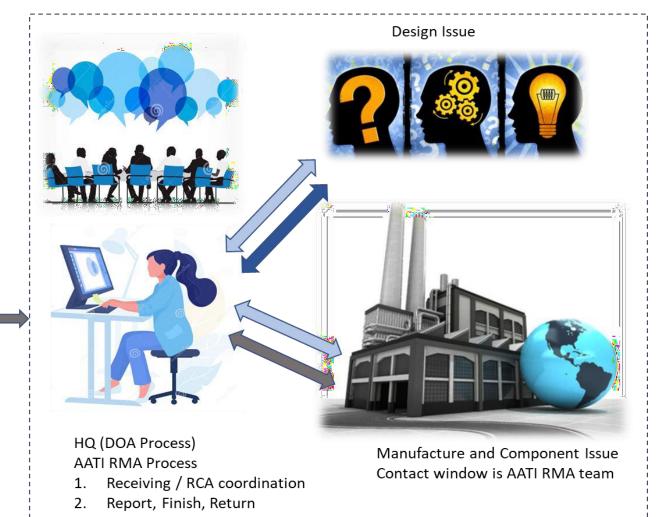


Navision Customer Complaint QFS Analysis

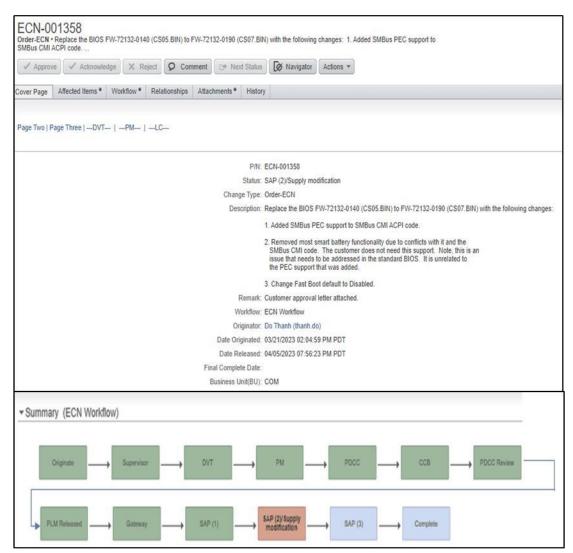
- 1. Complaint / Problem Verified / Validated by QA team
- 2. Closed Loop Corrective Action Initiated
- 3. Solution Presented to Customer

Key Account Manager (Leader)

- 1. Routine Meetings
- 2. Help Solve Customer Problems

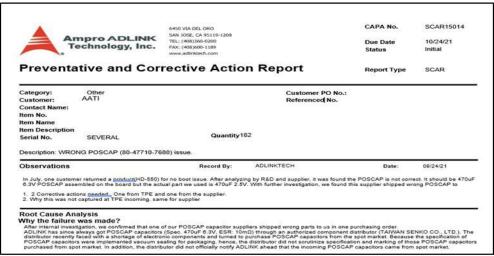


SJMC Quality Defect Report System



AATI PLM has Systematic ECO work flow

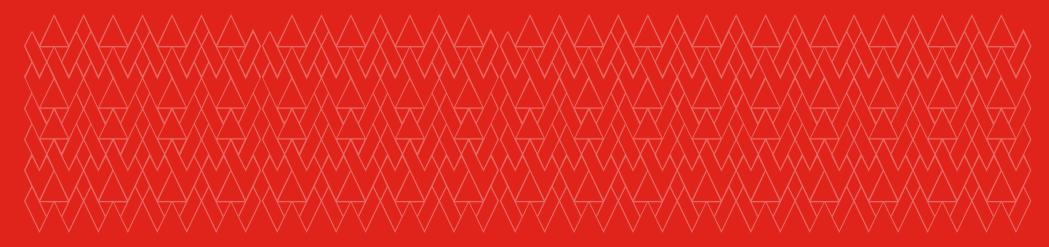
ADLINK | Leading Edge Computing



Customer:	PNY			
Report No:	TPE-IL-22-036	DOA/RMA NO:	R2206076	
Module Name	MXM-RTX3000	Serial NO:	LA01VNBA01169pcs	
Shipping Date:	2021 Oct, Nov	Report Date:	2022 Sep 20	
Issue Reported:	AATI(PNY) returned 169per			
Approved By: L. Problem Verifica ATI returned 169n		Written by:	Vivian Tseng 148pcs were found with the same	
		ack substance remaining on g		
failure. Failure rate				

AATI CAPA's follow standard 4D format methodology
AATI NCMR's follow standard FA reporting format

Questions? Thank you!



ADLINK Technology, Inc.

6450 Via Del Oro, San Jose, CA 95119 **United States**

Tel: +1-800-966-5200 Fax: +1-408-600-1189 info@adlinktech.com









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