




**AE GLOBAL SERVICES**  
MAXIMIZE PRODUCTIVITY AND ROI  
THROUGHOUT THE PRODUCT LIFECYCLE





**Only AE**  
**combines best-**  
**in-class quality**  
with flexible  
programs and fast  
turnaround time.

**Maximize fab productivity and capital equipment ROI with world-class support for every stage of the product lifecycle**—from startup through long-term operation. Our service offerings are based on more than three decades of precision power and applications expertise.

### Reliability & Quality

- › Full OEM diagnostics provide the most reliable repairs in the industry.
- › Testing to all original specifications provides the highest quality product performance.
- › OEM parts enable copy-exact repairs to return your product to its original specifications.



### Responsiveness

- › Flexible service options throughout the product lifecycle
- › Customized service programs to fit unique needs
- › Continuous improvement to drive down repair costs



### Global Footprint

- › Global presence—worldwide service
- › AE-certified staff—consistent repair results
- › 24x7x365 worldwide technical support





Support Options for Every Stage of the Product Lifecycle

High-Quality Service Using New, Genuine AE Parts





## THE AE QUALITY ADVANTAGE

Cost Variable	\$\$ Per Wafer
Average Wafer Cost (USD):	\$5000
Average Wafers Per Hour:	10
Average Tool Downtime Cost Per Hour (USD)	\$50,000
Mean Time To Repair (MTTR in Hours)	4
Population:	100

	AE	COMPETITOR
Failure Rate	3%	8%
Failures of Unit Population	3	8
Average Cost of Unit Repair (USD)	\$2500	\$1,800
Total Repair Cost for Population (USD)	\$257,500	\$194,400
Average Tool Downtime Cost Per Hour (USD)	\$50,000	\$50,000
Tool MTTR (Hours)	4	4
Tool Downtime Cost for Population (USD)	\$600,000	\$1,600,000

	AE	COMPETITOR
Total Cost of Operation (COO in USD)	\$857,500	\$1,794,400
<b>Overall Savings With AE</b>	<b>\$936,900</b>	
	<b>52%</b>	

Best-In-Class Quality

Genuine AE Parts

Better Yield & Productivity

Reliable Repair Longer Tool Life



**CUSTOMER TESTIMONIALS**

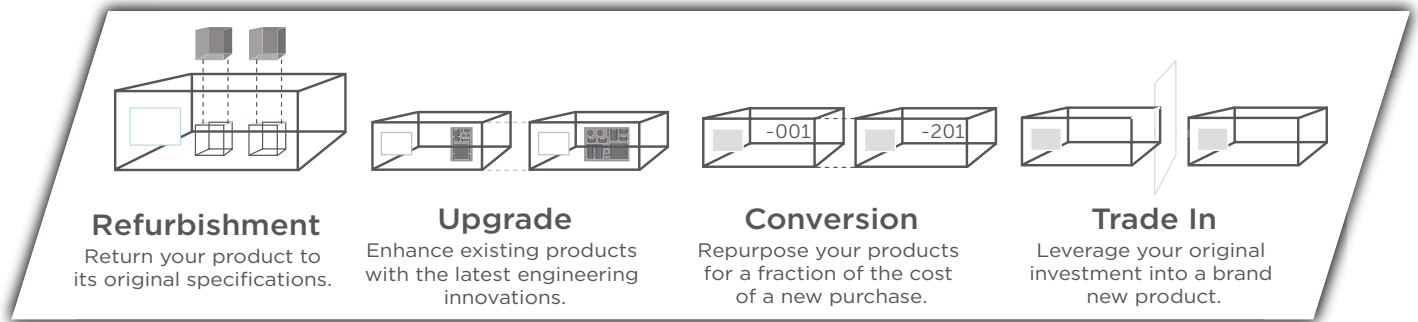
***"On a scale of 1 to 10, AE is a 10."***

***"AE quality systems are the best—  
even better than benchmarks."***



## MAXIMIZE YOUR INVESTMENT BY REPURPOSING CAPITAL ASSETS

Improve yield, reduce scrap, elevate fab productivity, and increase ROI.



Enhance your manufacturing operation with:

- Optimized support services
- The highest-quality repairs from AE

Email: [Technical.Support@aei.com](mailto:Technical.Support@aei.com)

Call: 800.446.9167 (U.S.) · +1.970.221.0108 (Outside U.S.)



For international contact information, visit [advanced-energy.com](http://advanced-energy.com).