# yieldWerx™

THE FUTURE OF YIELD ANALYSIS & BEYOND...

Delivering Revolutionary Solutions for the Future of Yield Enhancement.

Company Profile

# ANALYTICS FOR RELIABLE YIELD

In the fast-paced and demanding semiconductor industry, OSATs and fabless companies encounter various hurdles. These include slow data processing, limited real-time insights, and imprecise predictive analytics, which can significantly impact operational efficiency, yield enhancement, and product quality.
The current market lacks a user-friendly and comprehensive analytical tool that adequately addresses these challenges.

- Costly Production Downtimes
- Delayed Root Cause Analysis
- Inconsistent Product Quality
- Limited Visibility of Data

# DISCOVER YOUR POSSIBILITIES

yieldWerx transforms semiconductor yield management by directly addressing critical challenges faced by OSATs and fabless companies. With its comprehensive analytical tool, yieldWerx swiftly processes and analyzes vast data sets. Designed for ease of use and functionality, it empowers professionals to navigate complex data sets, uncover insights, and make confident data-driven decisions.

Are you keeping pace with the fast-evolving semiconductor industry without sophisticated analytics?

- Accurate Predictive Analytics
- Streamlined Multi-Stage Analysis
- Real-time Monitoring
- Insightful Data at Your Fingertips

# THE BEST ONE-STOP
## CUSTOM YIELD MANAGEMENT SOLUTION
### FOR SEMICONDUCTOR ENGINEERS

yieldWerx is an adaptable analytics platform for the semiconductor industry. By gathering and interpreting data, we turn raw information into actionable insights that facilitate informed, profitable decisions. Our cutting-edge technology enhances yield and efficiency, while our customizable modular structure offers tailored solutions that evolve with your business needs. Whether you're a fabless semiconductor company, an OSAT, or an IDM, yieldWerx offers cost-effective analytics solutions that connect, automate, and analyze manufacturing data. Join our trusted global clientele and unlock the transformative power of yieldWerx for your success.

## COMPANIES WHO **TRUST** US

Microsoft | MPS Monolithic Power Systems | RoodMicrotec | NORTHROP GRUMMAN | Navitas | DIODES INCORPORATED | RENESAS | imec | HMT microelectronic AG

# ADDRESSING MANUFACTURING CHALLENGES
## HOW YIELDWERX DELIVERS SOLUTIONS

### REPORTING & ANALYSIS MODULE

To enhance operational efficiency and yield, organizations can utilize our Reporting & Analysis Module. It provides real-time monitoring and anomaly detection, delivering key insights across all manufacturing stages. This tool empowers teams to maintain quality and optimize yield.

### EXTERNAL DATA SOURCE INTEGRATION MODULE

yieldWerx's External Data Source Integration module simplifies data management for semiconductor manufacturers. It integrates test and non-test data, promotes real-time sharing, and enhances inspection processes. The module serves as a comprehensive data repository, streamlining efficiency.

### MAXIMIZE TEST EFFICIENCY

yieldWerx enhances semiconductor manufacturing by streamlining test processes, eliminating redundancy, and optimizing production efficiency. It offers critical analysis of testing times, monitors production delays, and manages variations between sites, bolstering parallel testing, and reliability. This enables manufacturers to cut test costs while maintaining high product quality.

### OVERALL EQUIPMENT EFFICIENCY SYSTEM

yieldWerx's OEE system boosts semiconductor production efficiency by consolidating equipment data. It offers real-time insights, enables proactive operations management, and predicts maintenance needs, resulting in reduced downtime, improved product quality, and increased profitability.

# FEATURES INSIGHT
## PROBLEM RESOLUTIONS AT A GLANCE

### MODULAR SOLUTION
Choose the modules you need now and seamlessly upgrade to new advanced modules as your requirements evolve.

### END-TO-END FUNCTIONALITY
From NPI/Engineering/Characterization to high volume production ramp-up, yieldWerx provides comprehensive support within a single tool, streamlining your manufacturing process.

### PASSIVE & ACTIVE CONTROLS
Whether you prefer post-test data processing and analysis or real-time control, yieldWerx offers flexibility to adapt to your preferred approach.

### INDUSTRY BEST PRACTICES
Benefit from continuous updates and enhancements as industry best practices and knowledge are incorporated into the tool's new releases, ensuring you stay ahead.

### SMART AUTOMATION
Transform raw data into electronic assembly maps effortlessly with fully automated processes, significantly reducing IT and PDE FTE overheads.
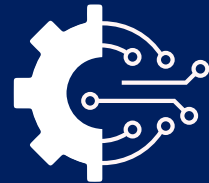
### CLOUD-BASED DATA
Easily access and share data and reports from your mobile device, leveraging the cloud-based capabilities of yieldWerx.

# From design to delivery:
# ONE SOLUTION FOR ALL

When we design and implement solutions into yieldWerx, we do so with the complete "end-to-end vision in mind", ensuring seamless data integration and actionable insights throughout the entire semiconductor manufacturing process.

Our software's versatility and extensive coverage make it an ideal solution for a diverse range of businesses within the industry.
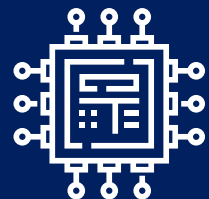
## FABLESS COMPANIES

yieldWerx provides Fabless Companies with the tools they need for efficient data management, allowing them to focus on design and innovation while ensuring quality and performance.

## END-TO-END VISION

yieldWerx embraces an end-to-end vision, providing a unified solution that enables seamless data integration and actionable insights throughout the entire semiconductor manufacturing process.

## INTEGRATED DEVICE MANUFACTURERS (IDMS)

With yieldWerx, Integrated Device Manufacturers (IDMs) can streamline their processes from design to manufacturing, achieving seamless integration and consistent data flow.

## SEMICONDUCTOR OUTSOURCED ASSEMBLY AND TEST HOUSES (OSATS)

yieldWerx equips Semiconductor Outsourced Assembly and Test Houses (OSATs) with comprehensive analytical tools for better decision-making, process control, and product quality assurance.

# THE YIELDWERX DIFFERENCE
## OUR COMPETITIVE EDGE FOR YOUR SUCCESS

**RELIABILITY**
**SCALABILITY**
**ZERO DEFECT**
**SECURITY**

As a trusted partner in semiconductor manufacturing, yieldWerx offers robust and accurate solutions that form the bedrock of your yield management needs. Our software is designed with scalability in mind, allowing for seamless integration of advanced modules as your requirements evolve. A commitment to zero-defect manufacturing underscores our approach to design, ensuring flawless operation and enhanced efficiency in your processes.

Furthermore, our high level of data protection safeguards your sensitive information, allowing you to focus on improving yield and productivity. But what truly sets yieldWerx apart is our dedication to customization. By working closely with you, our team of experts can understand your specific needs and recommend the most suitable modules, creating a solution as unique as your business. When you invest in yieldWerx, you're not just purchasing a software - you're engaging in a partnership that's committed to driving your business towards excellence in semiconductor manufacturing.

# OPTIMIZING PERFORMANCE WITH YIELDWERX

**QUANTENNA, NOW ONSEMI** significantly boosted its operational efficiency and productivity through the implementation of yieldWerx. The enhanced data analysis process allowed engineers to analyze four times as much data in the same timeframe, leading to a **6-10x** increase in engineering productivity.

The real-time alert system improved equipment uptime by **10%**, preventing potential downtime. Moreover, yieldWerx provided valuable insights into yield limiters, enabling rapid statistical data mining and targeted manufacturing process improvements, resulting in an impressive over **60%** yield improvement. Additionally, the cost-effective nature of yieldWerx led to substantial savings, with it being **15%** cheaper than its competitors.

**BAQAR TABREZ,** the engineering team lead at Quantenna, praised the impact of yieldWerx:

**"WE WERE ABLE TO GAIN $10+ FOR EVERY $1 INVESTED IN YIELDWERX FOR A CALENDAR YEAR"**

He added that yieldWerx has propelled Quantenna to new heights of productivity, efficiency, and cost savings, resulting in savings of over **$1** million on hardware investments.

## 10%
INCREASE IN EQUIMENT UPTIME

## 60%
YIELD IMPROVEMENT

## 6-10X
INCREASED ENGINEERING PRODUCTIVITY

# ONBOARDING MADE SIMPLE

## NAVIGATING YOUR TRANSITION

### 1. PROBLEM DISCOVERY

In our initial meeting, our primary objective is to grasp the specific challenges you face in yield management and data utilization. We strongly encourage you to provide detailed information, as this collaborative exploration forms the basis of our approach to creating a custom solution that aligns with your specific needs.

### 2. A ONE HOUR DEMO

Understanding the value of your time, we offer a one-hour demo tailored to your unique needs. This gives you a firsthand look at how yieldWerx can enhance your productivity.

### 3. SEAMLESS INTEGRATION

Once the best package is determined, we guide you through integrating yieldWerx into your existing system. This includes connecting your hardware to the cloud, ensuring a smooth and successful transition to better yield management.

## 50 BILLION+
Devices Analyzed

## 30+
Satisfied Clients

## 24x7
Support Worldwide

# CONTACT US

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