DiGiPRIMA

# DIGIPRIMA MANUFACTURING SOLUTION

Smart Manufacturing Through Smart Technologies

# ABOUT US

- Our team consists of experienced professionals with deep expertise in manufacturing technology and industry processes. We focus on quality, efficiency, and compliance with global manufacturing standards and regulations.
- We believe in fostering collaborative partnerships with our clients.
- Innovation drives everything we do. We continually invest in research and development to stay ahead of emerging technologies such as automation, AI, IoT, and smart factory solutions.
- Our customer-first approach ensures that every solution we deliver aligns with our clients' operational goals, production needs, and long-term growth strategies.
- Over the years, we've earned a reputation for delivering reliable, scalable, and high-performance manufacturing technology solutions to clients around the world.

# DESIGN & DEVELOPMENT IDEOLOGY

**We focus on complete manufacturing system design,** development, and seamless integration within existing production ecosystems.

Our goal is to deliver solutions that are technologically advanced while meeting the **highest quality and safety standards in the manufacturing industry**

**We place strong emphasis on close collaboration** with clients, providing regular updates and demonstrations as key milestones are achieved.

**Our iterative development approach,** supported by shorter and efficient sprints, ensures continuous improvement and faster delivery of optimized manufacturing solutions.

# CASE STUDIES

PROBLEM ANALYSIS AND THE PROPOSED/ ACCEPTED SOLUTIONS

# FIELD EXPERTISE

- We bring extensive expertise in industrial automation and smart manufacturing technologies, including robotics, IoT systems, machine vision, and predictive maintenance.

- We develop IoT-enabled manufacturing solutions that connect machines, sensors, and equipment to optimize production efficiency, monitor performance, track assets, and enable real-time decision-making.

- Our cloud-based manufacturing solutions support data storage, process analytics, backup, and remote monitoring to ensure seamless operations and business continuity.

# INDUSTRY LEADING TECH STACK THAT POWERS OUR DIGITAL MANUFACTURING SOLUTIONS

# Digital Transformation– At Acme Industries

## INTRODUCTION

In today’s fast-evolving manufacturing landscape, digital transformation has become essential to stay competitive. This case study highlights how Acme Industries, a conventional manufacturing company, adopted modern digital technologies to streamline its operations, boost efficiency, and expand its market presence.

## CHALLENGES

- **Outdated Legacy Systems**: The old systems had become inefficient and expensive to maintain, making them unsustainable in the long run.
- **Supply Chain Inefficiencies**: The supply chain needed more transparency and flexibility to keep up with fast-changing customer demands.
- **Market Competition**: Staying competitive required keeping up with industry leaders who had already embraced advanced digital solutions.

## SOLUTION

- **Internet of Things (IoT)**: Deployed IoT sensors across machinery to enable real-time monitoring and predictive maintenance, cutting downtime and increasing production efficiency.
- **Artificial Intelligence (AI) and Machine Learning**: Integrated AI to optimize production workflows and used machine learning to analyze trends, anticipate issues, and enhance overall operational performance.
- **Cloud Computing**: Moved to cloud-based systems to improve data accessibility, collaboration, and scalability across all global operations.

# Digital Transformation- At Beta Manufacturing Co.

## INTRODUCTION

Beta Manufacturing Co., a leading name in the electronics industry, launched a digital transformation initiative to meet evolving market demands and overcome technological challenges. This case study explores how Beta adopted advanced technologies and modern practices to modernize its production processes and enhance customer engagement.

## CHALLENGES

- **Rising Production Complexity**: The development of advanced electronic components called for more sophisticated and precise manufacturing techniques.
- **Higher Customer Expectations**: Customers began expecting quicker delivery and a wider range of customizable product options.
- **Global Supply Chain Challenges**: Managing the global supply chain grew more difficult due to changing market demands and logistical hurdles.

## SOLUTION

- **Robotic Process Automation (RPA)**: Implemented RPA to handle repetitive tasks and simplify production workflows, resulting in faster output and reduced errors.
- **Blockchain for Supply Chain**: Adopted blockchain technology to enhance transparency and security across the supply chain, enabling real-time tracking and ensuring data accuracy.
- **Customer Relationship Management (CRM) Systems**: Introduced advanced CRM systems to strengthen customer engagement and service through better insights into consumer needs and behavior.

# Digital Reinvention- At Delta Fabrication Corp.

## INTRODUCTION

Delta Fabrication Corp., a leading name in heavy machinery, embarked on a full-scale digital transformation to meet changing industry demands and keep pace with new technologies. This case study showcases how Delta strategically modernized its manufacturing operations and strengthened customer engagement through digital innovation.

## CHALLENGES

- **Aging Infrastructure**: Outdated production systems caused inefficiencies and drove up maintenance costs.
- **Environmental Regulations**: Stricter environmental standards required the company to adopt more sustainable manufacturing practices.
- **Global Market Pressures**: Rising competition from both established and emerging players pushed Delta to innovate faster and cut operational costs.

## SOLUTION

- **Sustainable Energy Solutions**: Installed energy management systems to optimise power consumption and integrated renewable energy sources within production units.
- **Enhanced Data Management Systems**: Upgraded the ERP system to improve data flow between departments, enabling better decision-making and greater operational transparency.
- **Smart Sensors and IoT**: Deployed smart sensors and IoT devices to track equipment performance, predict potential issues, and support preventive maintenance.

# Digital Advancement- At Zeta Industrial Solutions

## INTRODUCTION

Zeta Industrial Solutions, a leading name in chemical manufacturing, set out on a digital transformation journey to modernize its operations and strengthen its position in the global market. This case study explores how Zeta integrated digital technologies to boost efficiency and meet environmental standards more effectively.

## CHALLENGES

- **Regulatory Compliance**: Stricter environmental laws pushed Zeta to strengthen its sustainability efforts and improve how it tracks and reports compliance.
- **Operational Inefficiencies**: Outdated systems and manual workflows led to slow operations and a higher chance of production mistakes.
- **Market Adaptability**: To keep up with changing markets and customer needs, Zeta needed more flexible and responsive operational systems.

## SOLUTION

- **Process Automation**: Integrated automation technologies into production lines to improve precision, reduce manual errors, and boost both output and workplace safety.
- **Environmental Monitoring Systems**: Installed real-time monitoring solutions to track emissions and waste, helping maintain compliance with international environmental standards.
- **ERP System Upgrade**: Adopted a more advanced ERP system to connect all key business functions, ensuring accurate data flow and real-time visibility across departments.

# THANK YOU


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