



DIVERSIFIED AUTOMATION

A U T O M A T I N G Y O U R F U T U R E

*Leveraging Technology and Leading Innovation Today,
Transforming Businesses and Impacting Our World Tomorrow.*

DIVERSIFIED-AUTOMATION.COM



A message from our president & CEO Tony Young:

Diversified Automation (DA) recognizes that each of our clients are unique. In today's Age of Acceleration, we help our clients optimize various technologies and efficiencies to reduce competitive market pressures. From manual stations to automated HUBS, we are your partner in acceleration. DA incorporates advanced algorithms to help our clients deliver goods faster, smarter and more efficiently so they stand out as market leaders.

We are Automation experts in the Automotive, Baggage, E-Commerce, Manufacturing, and Parcel Industries.

DA has experience in the most demanding environments. We have built a forward-looking company — one that combines innovative thinking, deep technical knowledge, and professional

project management. We approach our work with passion, analytical rigor, and open minds. By freely sharing what we learn, we have built a reputation as thought leaders who translate good ideas into action and action into results.

As a full-service integrator of automated applications, we design, fabricate, install and produce cost-effective material handling solutions to ensure your systems are delivered on-time and within budget. From consultation to after-sales services, our team of innovative engineers and project managers can help optimize your operations. We expertly assist our customers in solving their increasingly complex challenges in their logistics environments.

DA is a strong partner with an established record of success:



160+

Engineers and
Project Managers



1800+

Systems installed,
commissioned,
successfully operational



600+

Successful Freight
and Parcel Projects



18+

Years of sustained
growth



100%

Full Turn-key
Integrator

Advanced Technology and AI

DA has dedicated resources that focus on leading-edge technologies and methodologies to bring you reliable up-to-date solutions that improve efficiency and put you in control.

As an expert solution provider for your unique needs, DA is exploring various ways to give you the competitive edge in the following areas:

Artificial Intelligence

Integrating AI-based insights and analytics to collect data, streamline logistics and unify current business systems with complex workflows

Augmented Reality

Training field technicians with remote capability allowing them to troubleshoot and restore operations in minutes instead of hours

RFID Technology

Embedding technology to identify and sort products so you can track and troubleshoot with ease and expertise

Robotics

Exploring a variety of applications to automate machinery, conveyors and distribution activities that power your success

3-D Modeling

DA uses modeling tools such as Emulate3D and AutoMod so you can reduce errors, standardize procedures and target the largest opportunities for your ongoing improvements







Warehouse Controls System Solution

With reports that are coded and commissioned for every aspect of your business, DABridge's integration-ready software optimizes your operation and translates your data into information that gives you the competitive advantage.

Our Solution

Works directly with the host Warehouse Management System (WMS) to bridge the gap between processes, such as shipments and orders; and material handling systems, such as conveyors, sorters, carousels, and palletizers.

Benefits

-  Fully customizable configuration
-  Easily operated
-  Modular architecture
-  Mobile operation
-  Enhanced cyber-security
-  RFID support

DABridge supports the following functionality

- Machine integration (Tilt tray/shoe/pop-up/pusher)
- Sortation management (faults and errors, statistics)
- Support for fixed and mobile scanners
- HMI/SCADA
- In-line print and apply
- In-line scale
- Cross-docking
- Putaway logic
- Flow through capabilities
- Pick to light interfacing (based on direction from WMS)
- RFID support



Our leadership team has deep roots in automated solutions with more than 150 years of combined experience. Each brings decades of knowledge and skill from within the industry and have worked with some of the most recognized brands in North America. Our diverse workforce has the competency and capability to deliver superior results and provide you with excellent design, integration and installation solutions. Although DA may be best known for our work in express parcel, we are rapidly expanding into other areas to provide top-notch service and end-to-end solutions.

Our Industries:



Automotive



Baggage



E-Commerce



Manufacturing



Parcel

AUTOMOTIVE

Emerging markets make this an exciting time to be involved in the automotive industry. Whether you want to develop custom inventory inspection systems or upgrade your quality control processes, DA offers individualized solutions that lead to success in accelerated function and flow. DA will customize solutions through algorithms and software packages that are tailor made for you and your unique needs.

Diversified Automation employees have working knowledge of industry-specific and manufacturer-specific requirements that must be adhered to in the design and implementation of automotive manufacturing systems. We can supply automakers with labor-saving systems to improve efficiencies in production and improve your bottom line.



Automotive Controls and Software Solutions



Simulation/Modeling



Network Architecture



Full System Integration



PLC Programming



System Hardware Design & Fab



System Support



Project Management

Additional Services:

- › Sortation Software Design & Implementation
- › SCADA Design / Implementation
- › Panel Fabrication
- › Field Installation
- › Commissioning & Start-up Support Services
- › Date Tracking and Sortation
- › Operations and Maintenance
- › Training



DA TEAM AUTOMOTIVE EXPERIENCE

Nissan – Smyrna, TN

Toyota - Georgetown, KY

Toyota - Princeton, IN

Subaru - Lafayette, IN

ATS - Lawrenceville, IL

Toyota - Princeton, IN

Dana Corp - Henderson, KY

BAGGAGE

Interconnectedness, bandwidth and technology are increasing industrial sophistication at lightning-speed. Users are accustomed to personalized tracking wherever they go, so moving passengers, baggage and cargo safely and seamlessly from place to place is an essential task. As a turn-key controls and software integrator, DA provides an array of services to support passenger processing technologies and baggage handling applications. Our clients receive custom solutions that maximize their efficiency and reduce unnecessary time and costs.





Airports

- › Orlando International (MCO)
- › Dulles International (IAD)
- › Kansas City International (MCI)
- › Seattle-Tacoma International (SEA)
- › Southwest Florida Intl (RSW)
- › San Diego International (SAN)
- › Anchorage International (ANC)
- › JFK International (JFK)
- › Norfolk International (ORF)
- › George Bush Intercontinental (IAH)
- › O'Hare International (ORD)
- › Port Columbus International (CMH)

Baggage Handling Controls and Software Services

As a turn-key controls and software integrator, DA provides a comprehensive array of services to support all elements of baggage handling applications:

- › Ticket counter bag check-in / input systems
- › In-line EDS screening (Explosive Detection Systems) integration
- › Baggage tracking (conventional bar-code & RFID-based solutions)
- › Baggage sortation
- › Early bag storage/retrieval
- › Baggage make-up & claim systems
- › Dynamic bag re-assignment/ rerouting
- › System simulation
- › Pre-installation control system testing (using I/O emulation tools)
- › Supervisory controls & HMI systems
- › Re-control / retrofit / expansion / upgrade of existing systems

E-COMMERCE

Modernizing within the well-established supply chain industry has its challenges because so many have been around for years. At the same time, the rise of e-commerce has led to the exposure of many opportunities within the industry to improve processes, increase volume, and shorten downtime. Success and sustainability depends largely on a company's ability to recognize what's on the horizon, plan strategically and adapt.

From massive transformation to short-term goals, DA can help implement your strategic plans and leverage automated solutions to increase the speed of your e-commerce enterprise. DA understands our client's needs to be agile and responsive toward their customers' demands in the warehousing and distribution industry. Our customized solutions help increase productivity, speed, workflow and accuracy while reducing damage and waste within your picking, packing, sorting and shipping operations.

DA's team members have first-hand experience in warehouse and distribution applications for a number of the largest retailers in the U.S.



E-Commerce Controls and Software Solutions

Automation

- Conveyance
- AS/RS
- Sortation
- Goods to Person
- In Line Scales
- Vertical Carousels
- Shipping/Receiving

Integration

- Host System Integration (WMS)

Planning

- Wave Building
- Order Cubing
- Inventory Control
- Labor Planning
- Workload Balancing

Order Fulfilment

Goods to person picking technology integration

- Shuttles
- Robotic Systems
- Carousels
- AS/RS Systems

Person to goods picking technology integration

- Pick Modules
- Pick to Light Systems
- Put to Light systems
- Put Walls
- RF Scanning
- Voice Pricing

Visibility

- Monitoring and Alerts
- Graphical Reporting



MANUFACTURING

DA understands the complex environment and logistical challenges in your day to day operations. We know that product demand and innovations in technology and analytics are accelerating flow and the need for a skilled workforce.

We bring keen knowledge of digital and advanced technologies that are transforming operations, business models and partnering economies. Through IT/OT integration, we use innovative technologies to reduce your costs, alleviate workforce pressures, improve customer service and increase your bottom line.

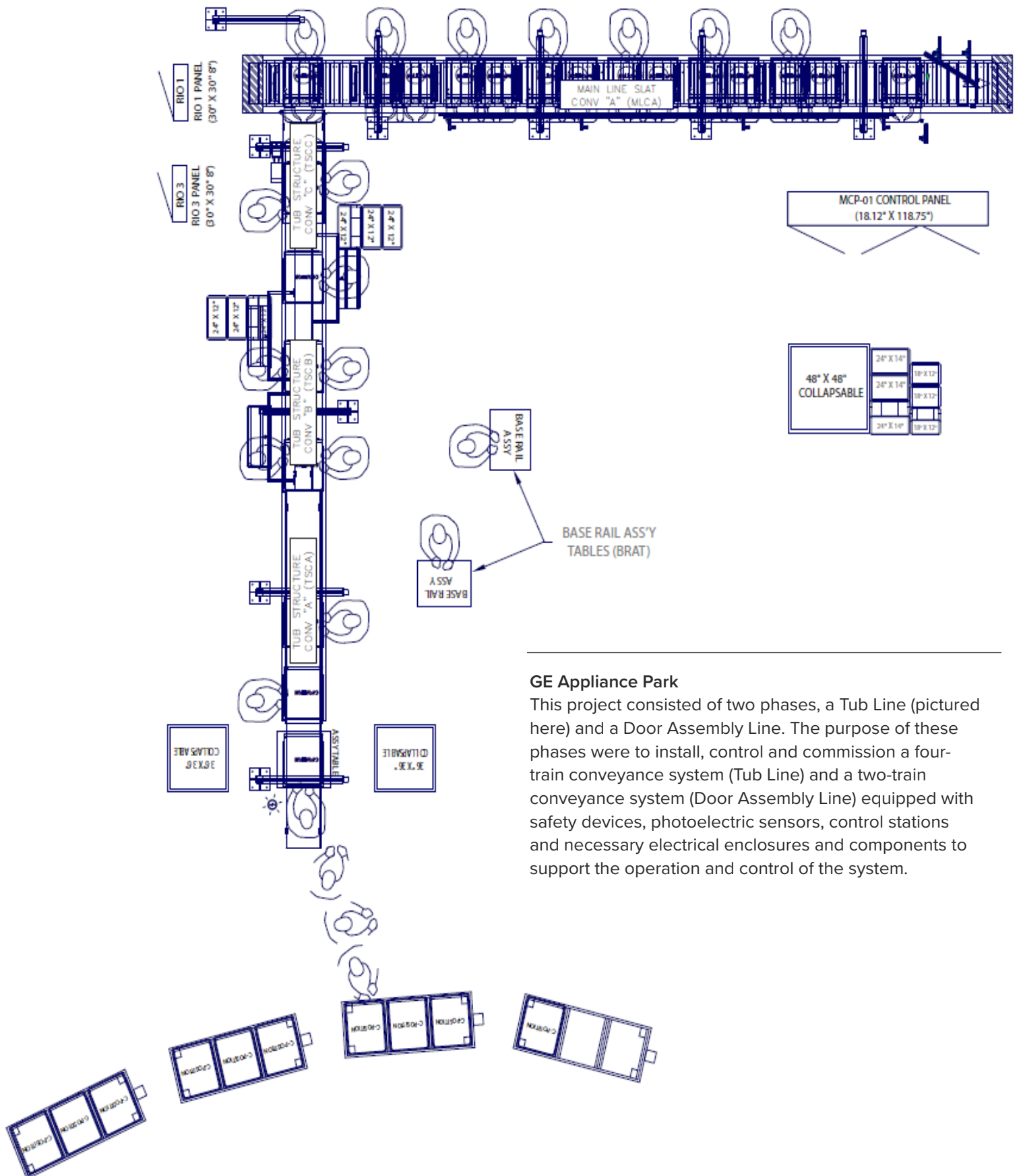
From unloading, moving, sorting, assembling, storing, picking-packing-shipping, and data mining, DA partners with customers to create advanced technologies that alleviate your constraints and accelerate your path to success.

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Partial list of companies served by DA employees:





GE Appliance Park

This project consisted of two phases, a Tub Line (pictured here) and a Door Assembly Line. The purpose of these phases were to install, control and commission a four-train conveyance system (Tub Line) and a two-train conveyance system (Door Assembly Line) equipped with safety devices, photoelectric sensors, control stations and necessary electrical enclosures and components to support the operation and control of the system.

PARCEL HANDLING

Since 2002, Diversified Automation has served as an industrial automation solution provider and top controls integrator for several Fortune 100 companies. DA is one of the parcel industry's most trusted suppliers, providing world-class service to the companies we partner with, and ultimately to the end-users of our systems.

Our dedicated team of professionals welcomes each opportunity to listen, think and solve new problems, no matter how difficult. We look forward to shaping big ideas into real solutions for our customer. That's how DA has earned the trust of the clients, partners, and people who work alongside us all over the country.



Parcel Handling Controls and Software Solutions

- Completing 15 different 30,000-75,000 automated facilities over a 3-year period
- Automated and Manual systems for a variety of Mechanical Contractors
- Automated Satellite Hub in Carson City, NV (15,000 item per hour system, 2 shoe sorters, 120+ motors)
- Automated Satellite Hub in Camden, NJ (15,000 item per hour system, 2 shoe sorters, 120+ motors)
- Controls Design for Next Generation parcel processing Hub (40,000 item per hour system, 8 shoe sorters, 1 pusher sorter, 350+ motors)
- Controls Integrator/Installer for Next Generation Parcel Processing Hub in Toledo, OH (40K system, 8 shoe sorters, 1 pusher sorter, 350+ motors)
- Re-control project in Syracuse, NY (2 shoe sorters, 1 pusher sorter, 1 pop-up wheel sorter, controlled 3 to 1 merges)
- 120,000 item per hour Expansion of Automated small parcel sorting facility in Louisville (4 new 40k tilt tray sorters, re-control of 15 existing 40k tilt tray sorters, 300+ conveyors)
- Controls upgrade of 6 to 1 collector merge from 3000 pph to 5000 pph across 6 collector lines
- 300+ conveyor expansion and HMI upgrade at an Air Hub in Rockford, IL
- Simulation Modeling for 273,000 item per hour Automated Small Parcel Sorting System
- Int'l Cargo handling facility in Panama City, Panama

CUSTOMERS & MARKETS

- FedEx Express
- FedEx Ground
- United Parcel Service
- UPS Supply Chain Solutions
- U.S. Postal Service
- Canada Post
- Purolator
- Mailing service providers
- 3PL providers



SERVING CUSTOMERS NATIONWIDE

GEORGIA

50 Glenlake Parkway, Suite 375
Atlanta, GA 30328

INDIANA

2445 Directors Row, Suite K&L
Indianapolis, IN 46241

KENTUCKY HEADQUARTERS

1914 Stanley Gault Pkwy
Louisville, KY 40223

NEVADA

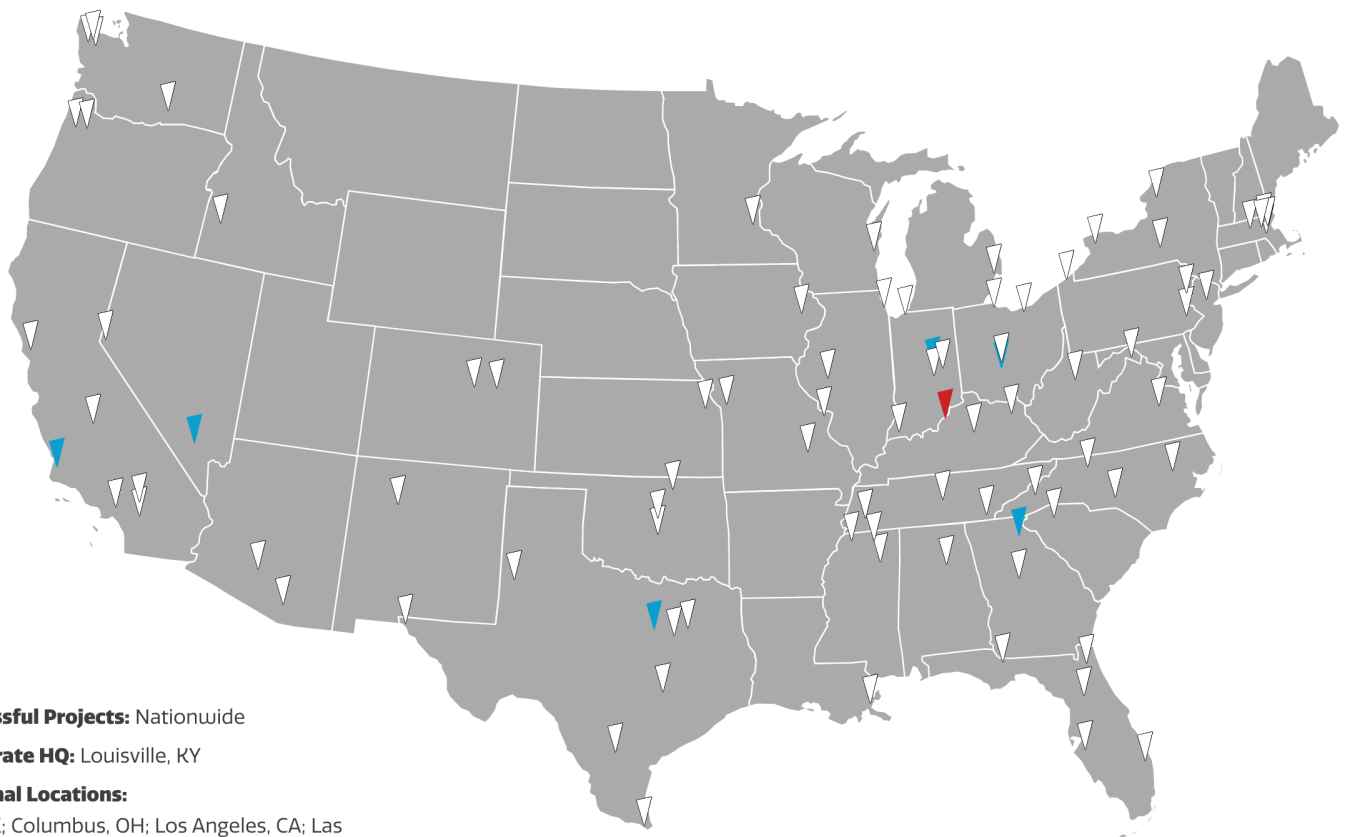
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Las Vegas, NV 89128

OHIO

421 West State Street
Columbus, OH, 43215

TEXAS

1900 Enchanted Way
Grapevine, TX 76051



▽ **Successful Projects:** Nationwide

▼ **Corporate HQ:** Louisville, KY

▴ **Regional Locations:**

Dallas, TX; Columbus, OH; Los Angeles, CA; Las Vegas, NV; Indianapolis, IN; Atlanta, GA

Contact us for a *free* quote or more information
on how DA can automate your future!



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