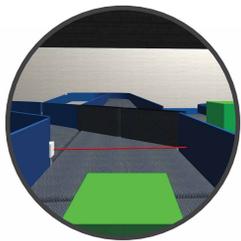




Design



Engineer



Emulate



Deploy



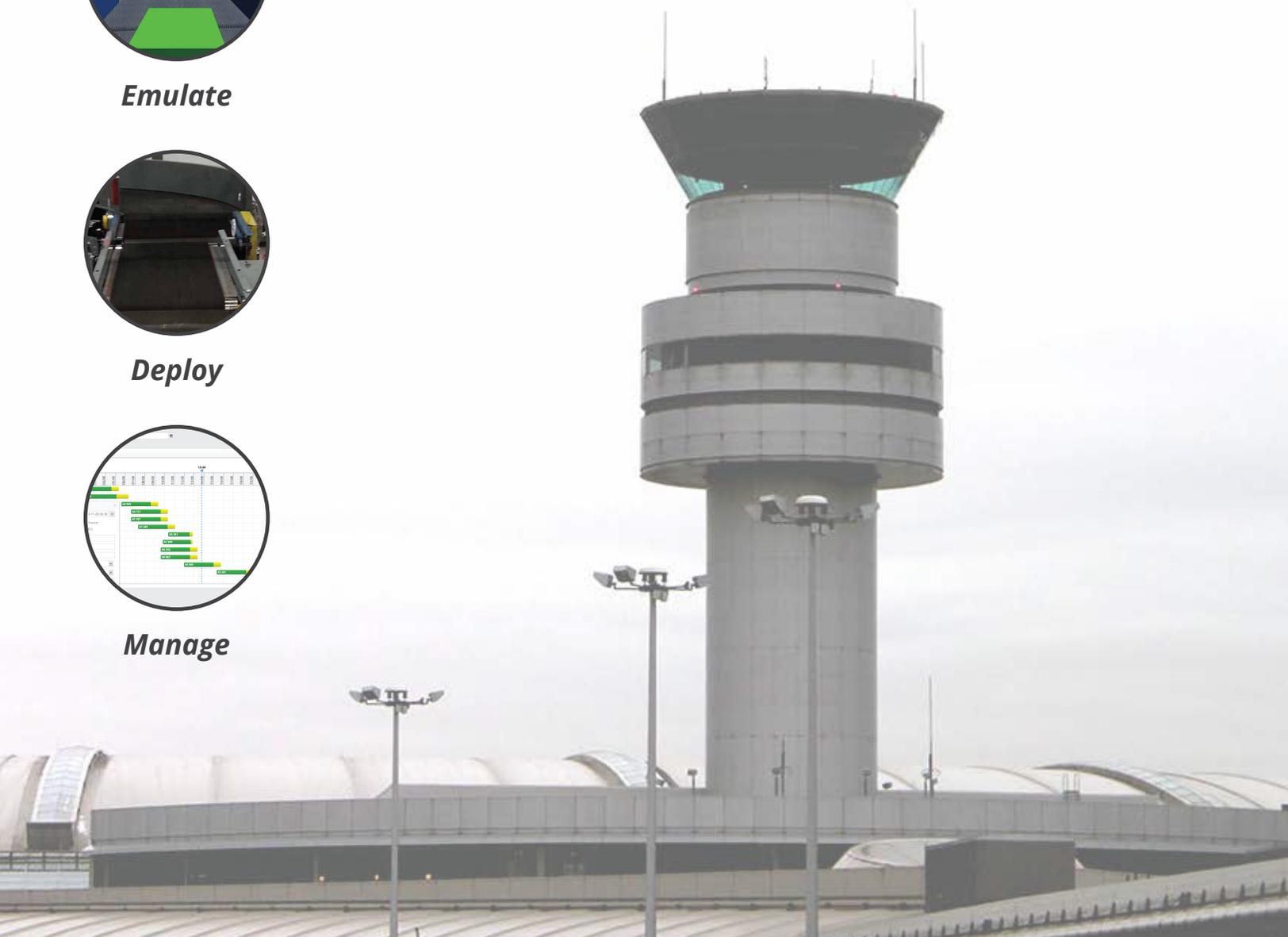
Manage



iSystemsNow

BHS Now Systems Integration

Designed by BHS Experts, for BHS Experts.



Design

We work with our BHS design partners from day one to ensure that our automation algorithm requirements are incorporated into the final BHS layout, and that the proper equipment is available for our control applications. We strive provide a system that will exceed our end user's demands. Once the equipment manifest is finalized, we jump into the design phase utilizing our automated design and drafting applications to support the electrical engineering process. Our partner panel builders provide CSA and UL compliant enclosures, custom engineered to meet system specifications and requirements.

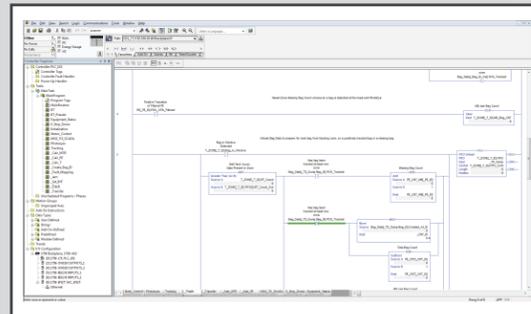


Automation

Exceptionally performing PLC code can be the differentiator between a marginally functional BHS, and a highly performing system that exceeds the designer and customer needs. Our PLC code has been tested against the latest rigorous TSA PGDS standards, and has been developed and thoroughly tested to:

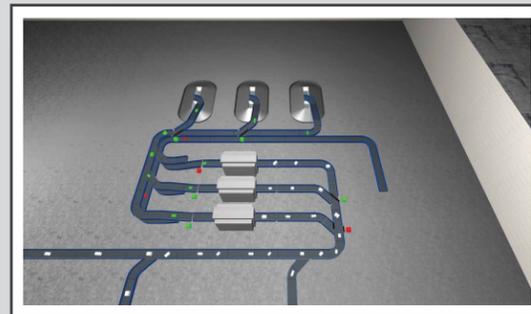
- Reduce scan time
- Reduce overhead communication with external HMIs and SCADA
- Allow up to 250 conveyors controlled from a single PLC

Our PLC code base is built upon the vendor neutral TCP/IP communication interface, allowing us to interact with virtually any SCADA or HMI software package. Our code development is completely automated; we generate database creation scripts, completed PLC code, and the HMI application from a single motor manifest.



Emulation

The goal of emulation is to verify and test an automated system before ever setting foot into a customer's facility. The modelling software's job is to render the bag movements and virtual environments using real physics, while the linked PLC control software initiates I/Os and hardware decisions in real time. This allows the control software to be fully tested in an office setting before it is shipped to site. With emulation as part of our project lifecycle, we are able to detect bottlenecks and discover issues in an office environment rather than on the job site. We can save time debugging code, and also pass on cost savings to our customers. It is a win-win situation for everyone involved.



Management Studio

The BHS Now Management Studio is a combination of software programs and services that enables you to efficiently run a baggage handling system. It sorts bags, announces alarms, reports on data, and allows you to configure your BHS. It does this through communicating with the PLCs that control the system via TCP/IP protocol and stores your data in a relational database management system (RDBMS). Our studio supports the MSSQL and MySQL platforms, and has been built to be modular such that it is easily integrated with virtually any existing database platform. The management studio was developed using a combination of C#, Node.js, HTML, CSS3, and Javascript.

FUNCTIONS

- Alarm Handling
- Bag Tracking
- Bag Sorting
- Data Extraction
- System Configuration
- Interfaces with 3rd Party Systems
- Hardware Health Monitoring
- Real Time Dashboarding

FEATURES

- Predictive Maintenance Tasks
- Informative Baggage Search
- Active Directory Integration
- Dynamic Report Filtering
- Generate and Print PDFs or CSV Files
- Real Time Dashboard with KPIs
- Instant Messaging

Dashboarding

Customer Selected KPIs

Real Time Health Monitoring

Quick Filters

Key BHS Matrix Stats

Automatic Predictive Maintenance

Real Time Stats

Reports

Select Report, Configure, Run

Print, Save as PDF or CSV

Sortable Columns

Drill Down Reports

Baggage Search

Simple Search gets Quick Results

Intuitive, Organized, Informative

Always on Communication

Flight Scheduling

Simple Clean Navigation

Multilingual

Dynamic Flight Scheduling

Real Time Messaging



iSystemsNow is a division of Intelligent Systems Now Incorporated, a privately held business. Our goal is to use the best technology available to deliver intelligent software and control systems across the world. We believe that the best way to do this is to always keep an open mind to problems and fully understand the implications of every proposed solution.

Our approaches are based on best practices developed through years of cross-industry experience. We don't only want to implement what has been done before, but to push the limits of what is possible. iSystemsNow firmly believes that Everything is Possible.

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Everything *iS* Possible

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