



# THE Conveyor

BAE Automated Systems, Inc.

June, 1998



The first live bag transported on the Heathrow Transfer Baggage System (TBS) is off-loaded to the take-away belt in Terminal 1. British Airways used the TBS for the first time April 28, to move bags between Terminal 1 and Terminal 4.

## European Office Opens

# Heathrow Accepts TBS, Awards O&M Contract

The British Airport Authority (BAA) presented BAE a Taking Over Certificate on April 24 for the underground Telecar system between Terminals 1 and 4 at London Heathrow Airport.

The system went live on April 28, and is now under the ownership of BAA, with British Airways as the main tenant. The original contract was awarded to BAE in September 1994.

"The actual introduction of the system to a live operation was implemented through an eight-stage program, which means we

gradually increased the volume of bags going through the system until we reached 100 percent," said Larry Poort, executive vice president of project management.

The destination-coded vehicle system features two control rooms and double-helix spirals at either end of the tunnel and interfaces with two separate, third-party tilt tray sort systems at each end.

"The whole system is unique to the customer's application," Poort said. BAA specified that the underground baggage system meet a transit time requirement of 12 minutes (unfaulted mode). The BAE system runs at 6.5 minutes, almost half the time specified.

"We designed the system to meet the needs of this particular location and their requirements. However, the transit time we provided ended up exceeding those requirements," Poort said.

## Maintenance Contract

BAE has also been awarded a contract to provide complete operations and maintenance for the Heathrow Telecar system.

Operating out of an office and warehouse complex not far from Terminal 4, the O&M crew of 70 pro-

## First Bags Move at New Terminal

# TOGA Maintenance Contract Gives BAE East Coast Depot

Air France inaugurated the new Terminal One at John F. Kennedy International Airport in New York on May 28 with the arrival and departure of the Concorde SST.

The opening marks a turning point in BAE's activity at JFK, as the recently completed baggage system will now be maintained by BAE Operations and Maintenance (O&M) personnel.

Terminal One Group Association (TOGA), L.P., has contracted with BAE to provide operations and maintenance for the system, thus giving BAE a base of operations on the east coast.

BAE began startup activities on May 1 and began providing full operation and maintenance support for the system on June 1.

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# ERP System Will Unify Company, Project Data

BAE will go live with a new computer information management system in October, replacing the current Unidata software system.

The installation of the new system is the result of a project that began last fall to incorporate Enterprise Resource Planning (ERP) into the company's business plan.

ERP, a new buzzword in the manufacturing industry, is an information management system that integrates all processes in an organization, such as manufacturing, distribution, finance, and transportation.

Data is shared between departments, allowing companies to operate more efficiently, cut costs, reduce turnover and reach peak performance.

The new BAE system will be implemented using BAAN IV software, one of the leaders in ERP for companies built on a Project Management model.

An ERP team made up of representatives from each department was formed last fall.

"We were challenged to look at the whole company and its policies and procedures 'as is', and come up with better ways to do things, from the initial sales quote to the shipment of our product out into the field," said Suzan Poole, project accounting manager.

The team is currently running a Conference Room Pilot (CRP) to test the functionality of the new system.

The BAAN system will automate and integrate daily processes for all departments. Each department will input data—such as production schedules, costs and parts inventory—into the system. Departments can then share data and generate reports, determine costs and create forecasts.

"The ERP system is going to significantly change the way we currently do our job," Poole said.

## Accurate Data

Plans for the system include using barcode scanners on the shop floor, allowing employees to scan parts, work orders and labor information.

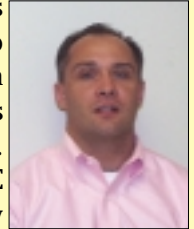
"The more accurate the data that is put into the system, the better the system will work," said Gregg Reding, planner and ERP team member. "The key is to put the processes and procedures in place first."

BAE's ERP team members say they are gaining valuable insight and experience on the project.

"We feel very fortunate to be a part of the implementation of ERP at BAE," Poole said. "A company doesn't get this opportunity very often."

## New People Added at Carrollton, SFO

Charles "Chuck" Sharp joined BAE on May 18 as Director of MIS. He comes to BAE from Marlow



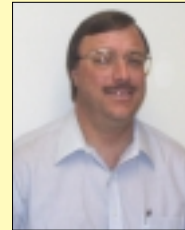
Industries in Dallas, where he served as Information Systems Manager.

His experience includes leading the implementation of an Enterprise Resource Planning system at Marlow Industries, as well as serving as lead auditor for an ISO 9001 audit.

## Project Management

Kevin Joseph joined BAE on February 9 as a project manager.

He has 18 years of computer control systems engineering and project management experience.



Before joining BAE, he worked for Forney Corp. for 17 years, with his last position there as Manager of the Projects Division.

## Mechanical Engineering

Hank Williams has joined BAE as Manager of Mechanical Engineering.

Williams, who moved from Oklahoma when he joined BAE on March 16, holds a BSME degree from the University of Oklahoma. Before joining BAE, he was



Director of Engineering for Fife Corp., a manufacturer of industrial control devices.

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The Conveyor is published every other month by the Corporate Communications Department of BAE Automated Systems, Inc., 2525 Carter Drive, Carrollton, TX 75006.

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Architectural rendering of Terminal One at New York's JFK International Airport.

### New TOGA Contract

# Maintenance Making Its Mark With Contracts at TOGA, Las Vegas

*(Continued from page 1)*

"This is a great opportunity for us to expand into the Northeast region of the U.S. with our operations and maintenance program, and it will provide us with an east coast parts depot, so that we can serve many airports in the region," said Mitch Chokas, manager of marketing and business development.

"We plan to branch out to surrounding areas in the near future." BAE's current operation and maintenance program includes Denver, Las Vegas, and Heathrow.

Terminal One at JFK is under the management of Terminal One Management Inc. (TOMI), with AvAirPros Services, an aviation management company, at the helm.

#### Las Vegas Maintenance

Full-service operations and maintenance is now set up for the Las Vegas area. Jerry Oaks has been appointed site manager there.

BAE will provide full 24-hour support for the baggage system installed at Las Vegas McCarran International Airport, as well as commence operations and maintenance support for the various baggage handling systems installed in large hotels in the area.

## The Queue

BAE systems are installed in the Flamingo Hilton, the Luxor, and the Bellagio, which will open this fall.

#### LAX Outbound

BAE has been commissioned by Sinanian Development Corp., a general contractor, to provide a new outbound system for the Tom Bradley International Terminal, a federal inspection recheck terminal, at Los Angeles International Airport.

The system will include 400 feet of conveyor, new ticket counters and a Jetclaim® unit.

British Airways, Japan Airlines

and Korean Air are among the 25 international airlines that will be using the system at the high-security terminal.

#### Houston Intercontinental

BAE has been commissioned by the City of Houston to install a new Jetclaim unit and expand an existing Jetclaim unit at Houston Intercontinental Airport.

Continental Airlines will be the primary user of the system.

Specifications call for both units to be 92 feet long.

Installation is scheduled to begin after Labor Day, and is expected to be completed by Thanksgiving.

Dan Stricklin was the account executive on the contract. Kevin Joseph is the project manager.

The Queue includes news of pending projects and contracts that have been awarded to BAE.

# Heathrow Transfer Bag System Goes Live; Philadelphia System Accepted by Client

*(Continued from page 1)*

vides around-the-clock coverage at Terminals 1 and 4, and in the 1,500 m. tunnel.

Stuart Pearson, managing director for BAE's UK operations, says the innovative TBS system has sparked a great deal of interest from other airlines and airports in Europe. Requests for tours have become common.

## Philadelphia International

The City of Philadelphia officially took over ownership of the BAE baggage handling system installed at Philadelphia International Airport on June 4.

The city accepted substantial completion of the system, thus triggering conditional acceptance.

BAE has completed installation and testing of the system and is providing 30-day support coverage. US Airways, the tenant, will begin training on the system this month, and plans to go live on June 14.

The project is primarily an out-bound sort system that includes sortation computers and Windows NT-based workstations.

"This was a unique project for us in that we developed our SysCom™ Workstation so that it would run on Microsoft Windows NT®, a more efficient platform than Microsoft Windows® 3.0, which was what the old workstation was running on," said Rich Grabowski, who served as project manager at Philadelphia.

The new system features a total of sixteen 80-bag-per-minute SP800 Super-Pushers, three curbside conveyors, two odd-size conveyors, and three laser tage readers capable of reading IATA 10-digit bag tags.

There are also four sloped-plate make-up units and two transfer lines.

## The Monitor

"Our employees' willingness to be persistent in finishing the project also resulted in achieving customer satisfaction with an ontime installation.

## San Francisco International

Installation is now well under way at San Francisco International Airport. BAE is the prime contractor for that baggage handling system, with DW Nicholson as the subcontractor for mechanical installation

and Four-A Electric the subcontractor for electrical.

"We are currently installing conveyor in boarding areas A and G, and are in the midst of design work in the North and South shoulder," said Don Bryan, project manager for San Francisco.

The \$52 million project is part of a larger plan by the City and County of San Francisco to build a new international terminal, which replaces the existing complex.

BAE was awarded the baggage handling portion of the project in May 1997. The system is scheduled to be turned over to the City and County in September 1999 and will go live in May 2000.

## New People Add Experience, Skills to Meet Challenges

*(Continued from page 2)*

### ERP Project

Rodger Sjolund (pron. show'lund) joined BAE on April 27 in the newly created role of Project Manager for the Enterprise Resource Planning (ERP) project.



He has held positions as CFO, VP of Finance and comptroller at several companies, including Cimflex Teknowledge.

Sjolund has successfully installed three different software systems, including a fully integrated manufacturing/financial system at Genesee Packaging.

That company made a quick turnaround shortly after the installation, going from bankruptcy to profitability within 18 months.

### Others

Steve Johnson, Safety Coordinator-SFO (1/5/98); Terry Holzheid, Mechanical Designer (2/2/98); Steve Thurneau, Senior Quality Engineer (2/16/98); David Astudillo, Software Engineer (3/2/98); Tobin Gaedke, Mechanical Engineer (3/2/98); Mary Hanlon, Senior Buyer (3/16/98); David Matheny, Electrical Engineer (3/30/98); David Ogura, Electrical Engineer (3/30/98); Mike Smith, Mechanical Superintendent-SFO (3/16/98); Tracy Chan, Office Assistant - SFO (4/27/98).