SPOKANE INTERNATIONAL AIRPORT
INTEGRATED BAGGAGE HANDLING SYSTEM WITH EDS

OWNER
SPOKANE INTERNATIONAL
AIRPORT WASHINGTON - GEG

OWNER'S REPRESENTATIVE
MR. ROBERT KASBERGER AIA
3E DESIGN GROUP
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BNP PROJECT MANAGER
CAL TRUDEAU

LOCATION
SPOKANE, WASHINGTON, USA

COMPLETION DATE
2005

ENTIRE PROJECT AMOUNT
US $8.82 MILLION

BHS CONSTRUCTION AMOUNT
US $7.4 MILLION

REFERENCE
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SCOPE OF SERVICES
CONCEPTUAL DESIGN
DESIGN DEVELOPMENT
CONTRACT DOCUMENTS
CONSTRUCTION MONITORING

RELEVANCE
AUTOMATED BAGGAGE HANDLING
SYSTEM INTEGRATING THE
EXPLOSIVE DETECTION SECURITY
SCREEING REQUIREMENTS

The Spokane Project was a joint venture program with the architectural firm 3E Design to design and construct an integrated baggage handling system with 100% checked baggage screening requirements.

The new security screenings are de-centralized subsystems in that there are individual screening modules for Terminal A/B and Concourse C. The Main Terminal A/B is comprised of dedicated baggage handling systems, for Southwest Airlines, United Airlines, America West, Delta, and Northwest Airlines. Concourse C is comprised of a common use slope pallet make-up device, shared by Horizon and Alaska Airlines.   The subsystems are supported with five (5) CTX 9000 DSI Explosive Detection Screening (EDS) devices with built in expandability for nine (9) EDS machines.

These EDS subsystems are configured with level 1 EDS devices operating in an automatic screening mode, level 2 screening consisting of an operator (TSA) at a remote location, using On-Screen Resolutions (OSR).   Those bags that cannot be cleared with OSR tools are routed to an ETD area for level 3 screening. These subsystems are configured so that any number of the EDS devices can operate in either a fully automated mode (machine decision) and (only) alarmed bags are viewed by an operator, or in a "manual" mode of operation, where the operator reviews all bags.

To facilitate any "future" security screening protocols from the Transportation Security Administration for "Secure Flight" the new EDS subsystems incorporate RFID readers and controls systems, to track and gather baggage information.

BNP
ASSOCIATES, INC.