

# Security Design and Consulting



## PLANNING

- Strategic Planning for Security Technologies
- Security Master Planning
- Emergency Response Planning
- Building Systems Integration

## ENGINEERING and SYSTEM DESIGN

- Systems Design and Construction Documentation
- Security Systems Project Management
- Security Network Design and Development
- Integrated Security and Code Compliance Analysis
- Door Hardware Specifications, Standards, and Schedules
- Master Key Systems Design and Evaluation
- Contractor Evaluation Criteria and Selection Guidance
- Tender/Bid Reviews, Evaluations
- Construction Administration and Field Services
- System Performance Acceptance Testing & Commissioning

## CONSULTING

- Threat Risk/Vulnerability Assessments
- Crime Prevention Through Environmental Design (CPTED)
- Security Technical Review Analysis
- Security Gap Analysis and Needs Assessments
- Security Loss Prevention Assessments
- Litigation Support
- Security System Budget Cost Estimates

## PROGRAM MANAGEMENT

- Training and Support
- Policy, Procedures, and Post Orders
- Standards Development
- Facility and Site Security Surveys



## JENSEN HUGHES

Advancing the Science of Safety

The ability to respond quickly, decisively and effectively to unforeseen and unpredictable forces is now imperative for all organizations and corporations.

JENSEN HUGHES specializes in risk management, using a holistic approach that ensures all security elements work together for a robust and cost effective approach that is specific to each client's needs.

Our security services and designs embody a “concentric layers of protection” approach. We explore the interior and exterior built environment from a Crime Prevention Through Environmental Design (CPTED) perspective, considering site perimeter, access points, core asset distribution, physical security, electronic security, key control, guard force management, workplace violence, policies, procedures, training and more. To work effectively, these diverse elements must function like one to form a comprehensive security program. This holistic approach to security explores facility physical environment design options first, and then looks at electronic security solutions to supplement an effective security design.

JENSEN HUGHES provides expertise in system-engineering criteria; systems design integration and concept methodology. We prepare complete bid/specification package documentation as well as security console and control room designs, complete systems engineering specifications and design-drawings for electronic security systems, security management systems and complex security system designs.

Our domestic and international experience on buildings and structures of various risk and the threat profiles, provides us with the breadth and knowledge to address security and safety in any type of environment and with any type of exposure.



## Members of our team played key roles on the following projects:

### CANADA

Surrey City Hall, Surrey, BC  
3 Civic Plaza, Surrey, BC  
Brentwood Town Centre - Phase 1  
Hotel Georgia Redevelopment  
Vancouver Convention Centre, Vancouver, BC  
Park Place Office Tower, Vancouver, BC  
BC Children's and Women's Hospital, Vancouver, BC  
Waterfront Properties, Vancouver, BC  
Richmond Centre Shopping Mall, Richmond, BC  
1500 West Georgia, Vancouver, BC  
Fairmont Pacific Rim Hotel, Vancouver, BC  
Translink Skytrain Stations & Operations Centre, Vancouver, BC  
Rennie Collection at Wing Sang Building, Vancouver, BC  
Whitehorse Correctional Centre  
BC Hydro Dam and Generating Stations  
British Columbia Correctional Centres

### USA and WORLDWIDE

FBI Washington Field Office - Washington, D.C.  
FBI/Department of Defense - Biometrics Technology Center (BTC) - Clarksburg, WV  
US Embassy Compound, Bujumbura, Burundi  
Department of State London Embassy, London, England  
Department of State, New Office Building Compounds, Worldwide Locations  
Foreign Affairs Security Training Center, Blackstone, VA  
Incheon 151 Tower, Seoul, Korea  
J. Edgar Hoover Building - FBI Headquarters, Washington, DC  
J.W. McCormack Post Office and Courthouse, Boston, MA  
Ralph H. Metcalfe Federal Building, Chicago, IL  
Robert F. Kennedy Department of Justice Headquarters, Washington, DC  
Suitland Federal Center, Suitland, MD  
Thomas P. O'Neill Jr. Federal Building, Boston, MA  
US Postal Service Headquarters, Washington, DC  
US Postal Service Office and Courthouse, San Antonio, TX  
World Trade Center (Freedom Tower), New York, NY  
US Embassy Compound in: Greece, China, Germany, Saudi Arabia, Burma, Russia, Cambodia, Yemen, El Salvador

### CANADIAN OFFICES:

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# Securing Our Clients Assets and Interests Into the Future

## Understanding Security Risk

JENSEN HUGHES conducts comprehensive evaluations of security measures, systems and procedures to identify the uncertainty in predicted exposures or risk estimates. This information assists in making informed decisions for planning, designing and creating policies that support risk-based decision-making.

## Risk Assessment

We take a comprehensive approach to the integration of security systems; fire protection, elevator control, human resources database, mechanical systems and others, as required. Careful consideration is given to code, economic, performance, service, and operational issues. We identify strengths, weaknesses, vulnerabilities, and deficiencies. We identify critical assets, table potential undesirable events, define types of threats, assess incident likelihood, and estimate consequences. We then analyze the effectiveness of various protection measures in order to reduce risk. JENSEN HUGHES can also design and oversee the implementation of protective features, systems, and procedures.

## Strategic Planning

We work with all stakeholders when developing enterprise wide security plans to address the short-term and long-term requirements of a client or project. Effective security planning integrates equipment, personnel, architecture and procedures in a single integrated program. This total approach can reduce both capital costs at the outset and long-term operations and maintenance costs, while meeting all established security performance standards.

## Engineering and System Design

JENSEN HUGHES has extensive experience in the development and design of electronic security system solutions (PACS, VSS, IDS, ECS), asset protection systems, Security Management System (SMS) and Physical Security Incident Management (PISM) integration concepts. We work with national and international clients to ensure all decision makers understand their requirements and feel confident in the security design and implementation.

## System Integration

We offer security systems integration to all industries. We take a comprehensive approach to the integration of security systems, to the fire protection, elevator control, human resources database, mechanical systems and others, as required. Careful consideration is given to code, economic, performance, service, and operational issues.

## Emergency Response Planning

Planning and developing emergency action plans consider the range of threat scenarios and provide a step-by-step response. The plan integrates multiple departments or units within an organization, as may be needed to accurately respond to security threats and other emergencies or disasters. Our technical team can support the vision and development of comprehensive plans to support the operational needs of your organization.

