



Disaster Response + Essential Services COVID-19 Response

Jensen Hughes Services for Non-Traditional Site Conversions

As the impacts and implications of coronavirus (COVID-19) unfold, it is becoming increasingly important to be as proactive as possible. We are available to assist your team and the Healthcare Facility Management in the efforts to convert Non-Traditional Sites (NTS) for hospital overflow.

Our global team, which includes the largest number of registered fire protection engineers, is ready to support you where you need us.

NON-TRADITIONAL SITE SERVICES

Our team can support the conversion of Non-Traditional Sites across a diverse set of occupancies including:

- + Healthcare: Non-Traditional Sites such as a Satellite Site of an Acute Care Facility, Free-Standing Site, or Closed Hospitals or Wards
- + Hotels
- + Assembly: Banquet facilities, Arenas, Community Halls

Services for Non-Traditional Site Assessment, Implementation, and Maintenance Specifications include:

Fire Protection + Life Safety

- + Fire Protection Consulting for Non-Traditional Site Conversion to applicable National, Provincial building fire codes and regulations, Health authorities' requirements, and NFPA 99 Category 3 Standards
- + Fire Safety Plans and Fire Hazard Analysis
- + Hazardous Materials Separation and Storage Consulting
- + Code Consulting

Electrical Engineering

- + Primary and Backup Power Assessment
 - Existing power panel per floor/room review
 - Capability for routing and connection of emergency power
 - Sizing and hazard-resistant placement of backup power generators and transformers
- + Communication/Wi-Fi Capacity Assessment and Design Support

Mechanical Engineering

- + Patient In-Room Negative Pressure Differential Capability Assessment
 - Existing HVAC review (AHU, PTAC)
 - Existing duct static pressure capacity
 - Validate clean zones remain free from patient return air
- + Water and Sanitary Capacity Assessment
 - Connection review
 - Water heater capacity review

Structural Engineering

- + New Equipment Load Assessment
 - Rooftop AHU anchorage and load path review against existing roof capacity
 - Concentrated load review against floor capacity for patient floors
 - Anchorage of free-standing medical pods
- + Facility Robustness for Probable Natural Hazards
- + Flooding, Earthquake, Tornado and Hurricane
- + Integrated Rapid Visual Assessment for Patient Facility Vulnerability



Providing Fire Protection + Life Safety for All Zones

As the conversion of Non-Traditional Sites continues, there will be a need for triage sites at public health clinics/units, specifically identified walk-in clinics or triage centres associated with acute care institutions. We can assist your team and the Healthcare Facility Management in creating specific Fire Protection + Life Safety plans for the zones who will service patients in the following zones:

- + Registration Zone
- + Waiting Zone
- + Primary Assessment Zone
- + Secondary Assessment Zone
- + Advanced First Aid and Transfer Zone
- + Education Zone
- + Discharge Zone

READY TO HELP

As the need to erect a 40,000 square-foot tent (“free standing site”) in a city park or repurpose a hotel, or arena to accommodate the new patient population overnight, many considerations are critical. Our team can help with the most important considerations on converting and preparing alternative locations for medical use, such as the need to enact prudent strategies and measures to prevent and mitigate a range of fire, emergency management and security-related risks, threats and vulnerabilities.

CHARACTERISTICS + SERVICES REQUIRES FOR INPATIENT CARE

Once building code standards have been addressed, we can help your team and the Healthcare Facility Management in assessing of the following needs for Inpatient Care Settings:

Adequacy of External Facilities – Accessibility

We can help you understand the accessibility and building regulations compliance requirements and criteria for this project. We have Accessibility Consultants that will be able to provide assessments for external facility accessibility requirements.

Arrangements for Security

We are able to provide various security related services for Existing Hospital and Non-Traditional Sites such as Perimeter and Access Control, All-Hazard Plans, Non-Traditional Site Master Plan Development. We have a deep bench of Security Professionals that can address Security Imperatives for these sites.

More Information

As the COVID-19 outbreak continues to evolve, we are monitoring the situation closely, consulting our team of business and technical experts, and keeping a close watch on information from public health organizations.

To help you navigate the challenges and impact of the outbreak, please visit our COVID-19 Resource Centre, with the link provided below.

[Jensen Hughes Resources](#)

How Can We Help You?

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