



# JENSEN HUGHES

Advancing the Science of Safety

**3<sup>rd</sup> JAPAN-U.S.  
DECOMMISSIONING AND REMEDIATION  
“FUKUSHIMA RECOVERY FORUM”**

**February 24-26, 2016**

**INTRODUCTION TO JENSEN HUGHES  
Doug True, Executive Vice President**

# INTRODUCTION TO JENSEN HUGHES

## Who is JENSEN HUGHES?

- ◆ We are a **global company** offering specialty engineering and consulting services for fire hazards and risk analysis – we specialize in the most challenging applications
- ◆ We have **over 800** engineers, consultants, and scientists in **55 offices** worldwide focused on evaluating risks and developing practical, cost effective solutions for our clients
- ◆ **35+ years** of specialty engineering and consulting services experience
- ◆ Our global clients include a majority of the **Fortune 500** companies
- ◆ We are the **Largest** fire protection specialty company in the World
- ◆ We are the **Largest** nuclear specialty risk analysis (PRA/PSA) company in the World



# INTRODUCTION TO JENSEN HUGHES

## Our Global Reach – Completed Projects on *EVERY* Continent

### North America

Canada  
Guam  
Puerto Rico  
United States

### Central/South America

Argentina  
Bermuda  
Brazil  
Bolivia  
Chile  
Colombia  
Ecuador  
Panama  
Trinidad & Tobago  
Uruguay

### Australia

Australia  
New Zealand

### Antarctica

### Europe

England  
Finland  
France  
Germany  
Ireland  
Italy  
Norway  
Portugal  
Scotland

### Africa

Algeria  
Egypt  
Ghana  
Guinea  
Nigeria  
Republic of South Africa  
Sierra Leone

### Asia

Abu Dhabi  
Bangladesh  
Cambodia  
Dubai  
Fiji Islands  
Hong Kong  
India  
Indonesia  
Iraq  
Japan  
Malaysia  
Maldives  
Myanmar  
Pakistan  
Peoples Republic of China  
Qatar  
Saudi Arabia  
Singapore  
South Korea  
Thailand  
Turkey  
United Arab Emirates  
Vietnam



# INTRODUCTION TO JENSEN HUGHES

## Business Sector Expertise

- ◆ Assembly
- ◆ Corporate Real Estate
- ◆ Education
- ◆ Gaming and Recreation
- ◆ Government
- ◆ Healthcare
- ◆ Hospitality and Lodging
- ◆ Industrial and Manufacturing
- ◆ Laboratories
- ◆ Military
- ◆ Power and Energy
- ◆ Transportation



# INTRODUCTION TO JENSEN HUGHES

## JENSEN HUGHES Technology applied to Fukushima and Decommissioning

- ◆ Selected to perform Fukushima Accident Investigation
- ◆ Assisting US utilities with downsizing of Fire Protection Programs for decommissioning nuclear power plants
- ◆ Assisted US DoE with remediation processes for highly toxic and hazardous facilities
- ◆ Participated in risk evaluations for various decommissioned nuclear facilities
- ◆ Participated in fire protection assessments of various decommissioned nuclear facilities
- ◆ Participating in METI-Sponsored enhancements to MAAP Analysis Software Code
- ◆ Consistently selected as vendor of choice for most difficult and challenging fire protection and risk analysis projects



# OUR INDUSTRY LEADERSHIP

## JENSEN HUGHES IS ACCEPTED INDUSTRY LEADER

- ◆ National Fire Protection Association (NFPA)
- ◆ Society of Fire Protection Engineers (SFPE)
- ◆ Automatic Fire Alarm Association (AFAA)
- ◆ ASTM International
- ◆ National Society of Professional Engineers (NSPE)
- ◆ Electric Power Research Institute (EPRI)
- ◆ Nuclear Energy Institute (NEI)



JENSEN HUGHES staff are past and present Chairs, Principals and Members of 60+ NFPA Technical Committees

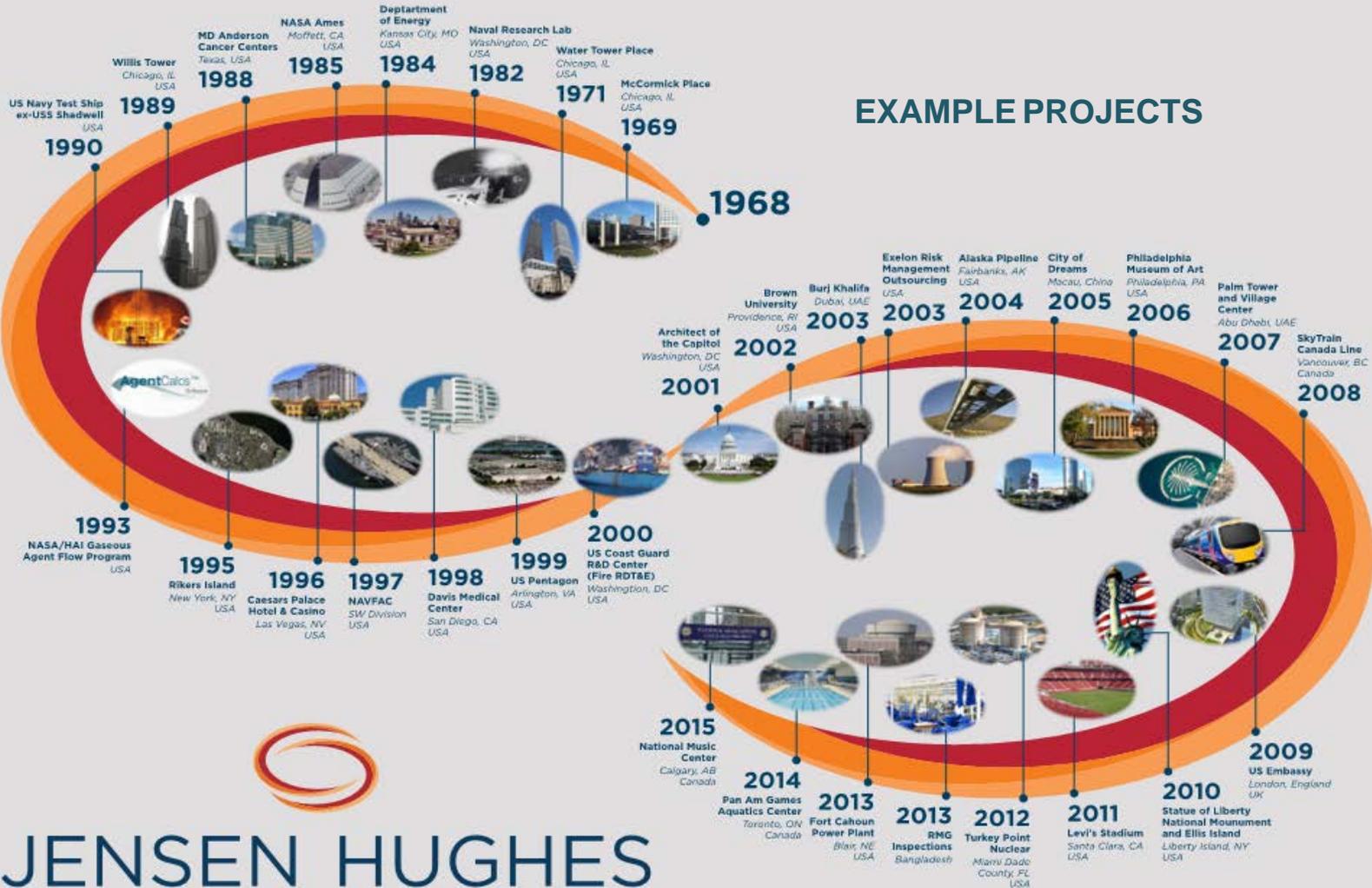
JENSEN HUGHES staff have participated in development of virtually all relevant nuclear power industry Fire Protection and Risk Analysis standards, guidelines, and research efforts

JENSEN HUGHES staff edit and author many SFPE & NFPA Handbook Chapters



# JENSEN HUGHES PROJECTS

## EXAMPLE PROJECTS



JENSEN HUGHES



# JENSEN HUGHES ACCOMPLISHMENTS

## Notable Accomplishments

- ◆ Fire Protection Firm for 8 of 10 tallest buildings in the world
- ◆ Nuclear industry leader in Fire Protection and PRA research, methods development, tools development, and applications
- ◆ Performed Fire Protection and PRA services for more than 90% of U.S. nuclear utilities
- ◆ Industry leader for fire research and codes development
- ◆ Selected by US Government for specialty fire protection and life safety services at highly secure facilities
- ◆ Firm of choice by Marriott and Starwood for fire systems inspection at ALL Asia hotels



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