

# Nuvia's objective is to provide a reliable leading edge technology by reducing RISK and providing long term solutions for nuclear applications

Unparalleled range of vertically integrated solutions

*From conception, design, engineering & manufacturing and on-site implementation*

## Seismic Protection

- Carbon Fiber Wrap
- Structural reinforcement
- Seismic joints and building gaps



## Fire Protection

- Fire dampers
- Smoke extraction vents
- Fire penetrations seals
- Hatches and wall penetrations
- Cable tray protection
- Passive fire barriers
- Post Fukushima requirements
- **UL listed products**



## Radiation Protection

- Radiation monitoring
- Nuclear Measurement
- Specific radiological protection
- Detectors, analysers & software



## Flood Protection

- Water/Air/Hydrocarbon leak-tight products & installations
- Building & Joint sealing
- Sleeve connections
- Hatches
- Smoke screens



## Engineering

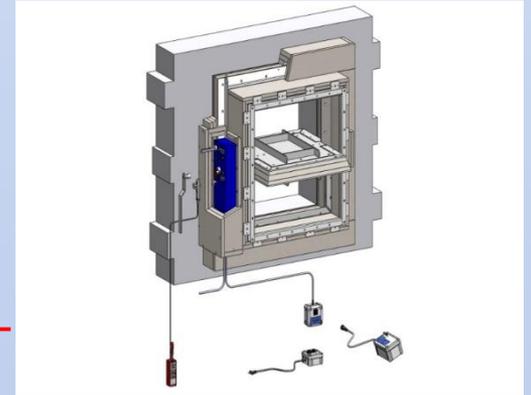
- Safety
- Inspections
- Expertise consulting
- Calculations sizing & justification
- Reduce RISK





## Fire dampers VCF2000 models

- Designed and qualified for 40 -60 years of service
- Exceptional reliability
- Ceramic bearings operation
- Maintenance-free during its operation (NFPA 90)
- Electric, Remote (24V) & manual operation up to 400°C
- Fusible fuses links inside and outside installations (74°C)
- Fire rating qualification 3 hour duration UL 555 (350°F)
- Various sizes configurations available in square or rectangular
- Under qualification @ Underwriters Lab to meet UL 555, UL 555S & UL 873 codes
- Assisting with Fukushima venting requirements in BWR's or original replacement





## Passive Fire Barrier Protection 1-3 Hour Rating

**MECATISS MTS Systems are UL Certified & installed in six US nuclear stations. Meets NRC 10CFR50.48 and NFPA 805 applications for resolving challenges**



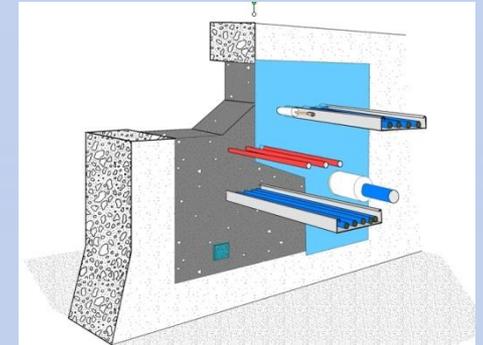
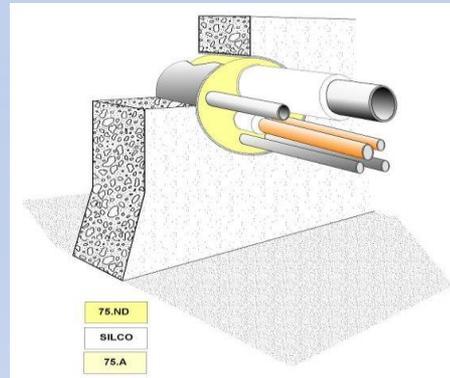
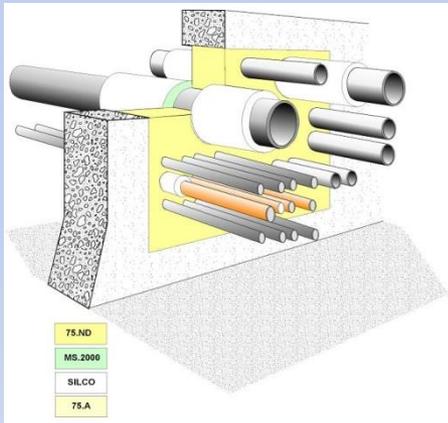
**Ventilation system in case of heat dissipation for Ampacity Derating challenges there is no Ampacity Derating concerns**

**UL Listed and Qualified**



## Sealing Technologies (Fire and Flood Seals)

### High Density Silicone Elastomer



**Top Coating Water  
Tight Coating over  
existing Fire  
Penetration seals**

