

Francis Young Suk Kim | Engineer, Ph.D., PE

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Professional Summary:

Dr. Kim has held various roles in EHS, Design, and Project Management of Operational Risk Management Projects for facility and infrastructure launches, spearheading safety design for structural, functional, and architectural design and fire safety.

Areas of Expertise:

- Accomplished Risk Management and Environmental Health and Safety (EHS) Expert with 30 years of leadership experience in advisory, consulting, and implementation roles.
- Implementing an overall strategy of continuous improvement for EHS Initiatives for facility management of the building, amusement park, golf courses, construction activities, and hygiene.
- Project management of mitigating natural & operational hazards & commissioning for facilities.
- Developing seismic isolation devices and seismic design for bridges and in vibration control of structures, and quality audits.
- Developing strategic EHS programs, policies, procedures, emergency response, risk reporting frameworks, accident root cause analyses, safety audits, and ensuring all relevant legislations and environmental regulatory compliance are adhered to
- Forensic engineer of civil engineering

Licenses and Certifications:

Professional Engineer, State of Oregon Board of Examiners, OR, 99084PE

Professional Engineer, Idaho Division of Occupation and Professional Licenses, ID, I22404

Licensed Professional Engineer, Texas Licensed Professional Engineer, TX, 149304

Project Experience:

SDS, Gwachun/Gyungi-Do/Korea

Structural and Power Quality Evaluation of Data Center

Samsung Electronics, Gihung City/Gyungi-Do/Korea

Earthquake Risk Management Consulting of Fab Building

Samsung Corning, Malaysia

Earthquake Risk Management Consulting of Furnace

Samsung Electronics, Tangjung/Chungchung Nam-Do/Korea

Earthquake, Typhoon and Flood Risk Management Consulting of LCD Manufacturing Facilities

SDS, Gwachun/Gyunggi-Do/Korea

Root Cause Analysis of UPS Failure, Data Center

SDS, Suwon/Gyunggi-Do/Korea

Natural Hazard Risk Management and Commissioning for Data center

Samsung Everland, Youngin City/Gyunggi-Do/Korea

Structural Evaluation of T-Express (Wooden Roller Coaster in Everland Amusement Park)

Professional Experience:

EFI Global, Engineer, 2023 – Current

Coupang, Director, 2021 – 2023

ABS Consulting, Senior Consultant, 2018-2020

Samsung C&T, General Manger, 2016-2017

Samsung Everland, Principal Engineer to Director, 2004-2015

Unison, Team Leader, 2000-2004

Kumho Industrial, 1993-2000

Education:

Ph.D., Civil Engineering, Korea Advanced Institute of Science and Technology, Daejeon, Chungnam, Korea, 1997

MS, Civil Engineering, State University of New York at Buffalo, Buffalo, NY, 1993

BS, Architectural Engineering, Kunkuk University, Seoul, Korea, 1990

Publications and Presentations:

“Seismic Response Characteristics of Bridges Using Double Concave Friction Pendulum Bearings with Tri-Linear Behavior”, April 2007, Engineering Structures

Engineering and Structures “Experimental Study of FPS System in Bridge Seismic Isolation”, March 1996, Earthquake Engineering and Structural Dynamics