Chad E. Smith, P.E.
PRINCIPAL ENGINEER & OPERATIONS MANAGER

EDUCATION	B.S., Mechanical Engineering
	Arizona State University, 2004
REGISTRATION	P.E., Mechanical Engineering
	State of Washington, No. 47821
EXPERTISE	Building Envelope Design
	Building Envelope Failure Investigations
	Heat / Vapor Transfer through building materials
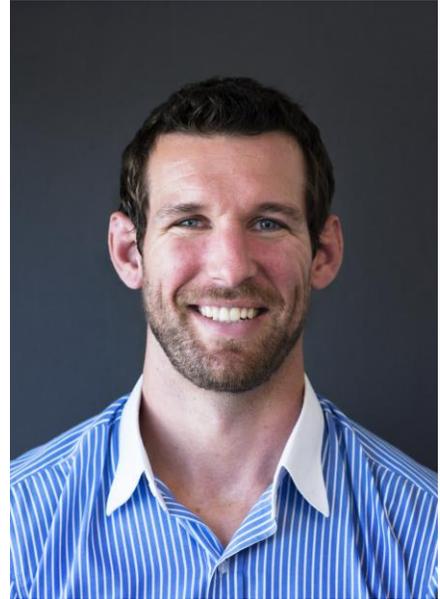
PROFESSIONAL SUMMARY

Mr. Smith joined BEE Consulting, LLC in November of 2007 and currently serves as a Principal Engineer and Operations Manager. As a Principal Engineer, Mr. Smith's responsibilities include consulting on multiple projects that include building envelope design for commercial, residential and municipal construction, failure analysis of construction defect issues and forensic engineering for attorneys and insurance professionals on legal cases involving vehicle collisions, malfunctioning machinery, bolt failures and weld failures. Mr. Smith also has diverse experience regarding leak investigations, below-grade foundation issues and all other areas of the building envelope. As the Operations Manager for BEE Consulting, Mr. Smith ensures and improves the performance, productivity, efficiency and profitability of departmental and company operations through the provision of effective methods and strategies.

Prior to Mr. Smith's employments at BEE, he held a position at Orbital Science Corporation in 2005 as a project engineer for the Launch Systems Group. He was assigned to a government contracted family of target vehicles that were in the design and development phase. His duties included design of handling, transportation and storage for the target vehicles. In 2006, Mr. Smith was placed on a project with a target vehicle in the manufacturing phase. His role as the primary mechanical engineer entailed supervising vehicle integration, generating test and integration procedures and verifying as-designed components. He served as a Level II, Mechanical Engineer by the time he left Orbital in 2007.

During Mr. Smith studies at Arizona State University, he assisted his advisor as an undergraduate researcher in 2001. He was teamed with several graduate students to conduct research on Computational Fluid Dynamic simulation software. His duties included model generation and post processing data extraction. In 2003, Mr. Smith took an internship offer at Honeywell Aerospace working with the Science department. His role was to support the Stress Analysis Team by conducting vibration analysis on aerospace components using Finite Element Analysis software and creating material databases.