Stanford



Brian Sedar

Adjunct Professor, Civil and Environmental Engineering

Bio

BIO

35 years of experience in EPC work spanning project controls, procurement, project development, construction, project management and operations. Bechtel Partner and Project Director for three of Bechtel's largest international transportation infrastructure projects (click on Projects under Research), High Speed 1 in the UK, Hamad International Airport in Qatar and Upgrades for three London Underground lines. Served as General Manager of Bechtel's Telecoms & Industrial business, Global Procurement Manager and launched its Global Water business. Now one of Stanford's most experienced construction practitioner-instructors.

ACADEMIC APPOINTMENTS

- Adjunct Professor, Civil and Environmental Engineering

HONORS AND AWARDS

- Scholar - Full Undergrad Expenses, Boettcher Foundation
- Chi Epsilon, National Civil/Architectural Engineering Honor Society
- Tau Beta Pi, National Engineering Honor Society

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Senior Vice President, Partner, Bechtel Group Inc (2007 - 2015)
- Senior Exec Consultant, Bechtel Infrastructure (2015 - present)
- Exec Director, Stanford Constr Institute and SDC Prgrm Advisory Cmte (2016 - present)
- Director, Keeyask Hydro Partners (2014 - 2016)
- Director, Tubelines, Ltd (2007 - 2010)
- Executive Member, Channel Tunnel Rail Link Board of Control (2005 - 2008)
- Member, Major Projects Association (2006 - 2010)

PROFESSIONAL EDUCATION

- MBA, University of Colorado, College of Business Administration , Finance (1981)
- BS, University of Colorado, School of Engineering, Civil Engineering , Architectural Engineer (Cost and Scheduling) (1980)

LINKS

- Industry Access - Stanford Sustainable Design & Construction: https://cee.stanford.edu/academics-admission/graduate-degrees/ms-programs/sustainable-design-construction-sdc/industry

Research & Scholarship

PROJECTS

- Project Director, Hamad International Airport (click here) - Bechtel Infrastructure (2010 - 2013)
- Project Director, High Speed 1 (click here) - Bechtel Infrastructure (2005 - 2007)
- Director or Projects, Tubelines, London Underground (click here) - Bechtel Infrastructure (2007 - 2010)

Teaching

COURSES

2026-27

- Donald R. Watson Seminar in Construction Engineering and Management: CEE 258 (Aut)
- Global Infrastructure Projects Seminar: CEE 141C, CEE 241C (Spr)

2025-26

- Donald R. Watson Seminar in Construction Engineering and Management: CEE 258 (Aut)
- Global Infrastructure Projects Seminar: CEE 141C, CEE 241C (Spr)
- Infrastructure Project Delivery: CEE 141B, CEE 241B (Win)

2024-25

- Donald R. Watson Seminar in Construction Engineering and Management: CEE 258 (Aut)
- Global Infrastructure Projects Seminar: CEE 141C, CEE 241C (Spr)
- Infrastructure Project Delivery: CEE 141B, CEE 241B (Win)

2023-24

- Donald R. Watson Seminar in Construction Engineering and Management: CEE 258 (Aut)
- Global Infrastructure Projects Seminar: CEE 141C, CEE 241C (Spr)
- Infrastructure Project Delivery: CEE 141B, CEE 241B (Win)

STANFORD ADVISEES

Master's Program Advisor

Callie Hou, Caleb Lennon, Alana Belle Tirado