



Profile

A leading professional at the forefront of the green building movement, Anthony Bernheim, FAIA, LEED Fellow, has pioneered integrated sustainable building practices for over 30 years, as an architect addressing a wide range of building types and master plans. He currently is the Program Sustainability Manager for the Terminal 1 Redevelopment project at San Francisco International Airport and he provides sustainability consulting services as Principal, Bernheim + Dean, Inc. Previously he was the Director of Sustainability, AECOM Architecture, where he collaborated on the development of the AECOM ecoSystem, a dashboard toolkit used to guide integrated building practices from project inception through post occupancy of high-performance buildings that are energy-efficient, provide comfortable, safe, and healthy environments, utilize resource-efficient products, have reduced environmental footprints, and strive to be “living” and “regenerative” buildings.

Anthony’s career has transformed projects and led to healthier environments. He has developed a special expertise in design for healthy indoor air quality. In the 1990s, he was the architect’s project manager and the sustainable building practices leader for the new San Francisco Main Library, one of the first major public projects in the U.S. to have the indoor materials tested for chemical emissions. For the State of California Capitol Area East End Complex office building he collaborated as an architect with other indoor air quality professionals on the development of project specifications, for testing building products for chemical emissions and that related indoor air chemical concentrations to building occupant health. This work has led to improved building product emissions, the way third-party certifiers evaluate products, and has provided the basis for the indoor air quality requirements of the new California and national green building codes and standards. Anthony recently wrote chapters “Clean Air: Good Health” and “Ambient Outdoor Air Quality,” for Wiley Publications books Sustainable Healthcare Architecture and Sustainable and Resilient Communities respectively.

As an extension of his interest in sustainable building products, Anthony has participated as a technical expert advising on green products for the Regenerative Network, an initiative that promotes green technology and products for the building community. He is a member of the Board of Directors for the Health Product Declaration Collaborative and is a member of the NSF/UL 440 Health-Based Product Emissions Standards committee to developing indoor air quality standards for building products.

Anthony Bernheim is the Vice-President of the U.S. Green Building Council Northern California Chapter (USGBC-NCC) Board of Directors and previously he was a member of the USGBC National Board of Directors, Treasurer, Vice-chair of the USGBC Green Buildings and Human Health Working Group, and Co-chair of the USGBC Classroom to Boardroom Diversity Mentoring Initiative. He was honored with the AIA California Council’s 2004 Nathaniel A. Owings Award “in recognition of a lifetime of service, commitment, and advocacy for the principles of sustainable design and preserving the earth’s natural resources,” the 2009 USGBC Northern California Chapter David Gottfried Special Achievement Award for being “an individual whose career and contributions to the industry demonstrate exceptional passion, leadership, and commitment to green building, USGBC, and the Northern California Chapter,” and the 2012 Breathe California Clean Air Award in recognition for his work on green buildings.



Professional Experience

June 2013 – Present

The Allen Group, San Francisco, CA

Principal, Director of Sustainability

Program Sustainability Manager for the Terminal 1 redevelopment program at San Francisco International Airport. Developing and integrating sustainability principles, goals and guidelines into the program to renovate, update and add to the existing terminal to create a model sustainable high-performance airport facility.

October 2012 – Present

Bernheim + Dean, Inc. (Previously Sustainable Built Environments), San Francisco, CA

Principal, Director of Sustainability

Provide Sustainability Consulting:

- Guidepoint Global Consulting Network: Sustainability subject matter expert providing consultations to corporate clients.
- U.S. Green Building Council: Collaborated on and managed the 2013 Green Buildings and Human Health Summit
- CarbonCure: Proposed marketing collateral strategy for Architecture and Engineering market
- Armstrong World Industries: Provided input for Armstrong Sustainability Strategy.

June 2009 – September 2012

AECOM, San Francisco, CA

Director of Sustainability, Architecture

Member Sustainable Leadership Group and Architecture Leadership Council

Wrote and implemented Sustainability Business Plan for Architecture; led development of online AECOM ecoSystem sustainability toolkit with tools and training for integrative design, green specifications and sustainable design contracts; joined AIA 2030 Commitment for AECOM and developed implementation strategy; developed practice and office sustainability initiatives; and built network of sustainability professional cross discipline globally.

Selected Sustainable Planning, Building and Consulting Projects Include:

San Francisco Symphony Center, San Francisco, CA – Sustainability Principal: Prepared sustainability approach for master plan. 2012

BWI Terminal B/C Connector, Baltimore, MD – Sustainability Principal: directed integrated sustainability building process, provided sustainability building practices, sustainable design, and green specifications. 2011 - 2012

AECOM San Francisco Consolidation Project, San Francisco, CA – Sustainability Principal: directed integrated sustainability building process, provided sustainability building practices, sustainable design and implementation of LEED® certification. Targeted LEED® Gold. 2011 – 2012.

Saigon International Hospital for Mothers and Children, Ho Chi Minh City, Vietnam – Sustainability Principal: Developed conceptual and schematic design phase sustainability goals, design criteria, and concepts. 2011

University of California, San Diego, Rady School of Management, La Jolla, CA – Sustainability Principal: Provided guidance on LEED® certification. Targeted LEED® Silver, 2011 - 2012

VA Rehabilitation Center, Mather Park, Sacramento, California. Sustainability principal: directed integrated sustainability building process, provided sustainability building practices, sustainable design and implementation of LEED® certification. Targeted LEED® Silver. 2010 – 2012.

Command and Control Facility Center (C2F), U.S. Army, Fort Shafter, Honolulu, HI - Sustainability Principal: directed the integrated sustainable building process, provided sustainable building practices, sustainable design, and implementation of LEED® certification. Targeted LEED® Gold, 2009 - 2011



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February 2007 – May 2009

HDR Architecture, Inc., San Francisco, CA

Principal, Sustainable Design Solutions

Member Sustainable Design Solutions team, Sustainable Solutions Leadership team, Leader Sustainable Architecture Focus Groups

Developed Integrated Design Process for Architecture practice to integrate sustainable master planning and design into the practice. Includes work plan, dynamic planning, schedules and integrated teams.

Selected Sustainable Planning, Building and Consulting Projects Include:

Marine Corp Air Station – Develop a Sustainable Installation Strategy, MCAS Iwakuni, Japan

City of Elgin – Developed “sustainable city” vision and RFQ for Sustainable City Master Plan, Elgin, IL.

Environmental Health and Safety Building, 30,000 sq. ft., Targeted LEED® Silver, UC. Riverside, CA

La Jolla Consolidation Project for 120,000 sq. ft. NOAA Southwest Fisheries Science Center, Targeted LEED® Silver La Jolla, CA

Shoreway Environmental Center, San Carlos, California – Served as Principal and provided Concept design phase sustainable building process, including green building workshops, sustainable design, and implementation of LEED® certification. Targeted LEED® Silver.

Peter Pepper Products, Inc. - Green Building advisor to company for green product/process development, CA

Colorep, Inc. – Green Building advisor to company for green product/process development, CA

2006 - 2007

Green Building Consultant, San Francisco, CA

First Community Housing Inc., San Jose, CA. Wrote Green Operations and Maintenance Manual for Affordable Housing Projects

Privatization of Army Lodging, Participated in Green Building Workshop for prototypical lodging for Actus Lend Lease.

1983-2006

SMWM, San Francisco, CA & New York, NY

2004-2006

Partner, SMWM LLP, New York, NY

1996-2006

Principal, Green Design/Vice President/COO, SMWM, San Francisco, CA

1983-1996

Associate/Senior Associate, SMWM, San Francisco, CA

Developed a Collaborative Sustainability Process to assist in integrating sustainability measures into projects using three key components: Energy Conservation and Efficiency; Indoor Environmental and Air Quality; and Site Water and Materials Resource Efficiency and Effectiveness.

Originated the Four Principles of Good Indoor Air Quality Design: Source Control, Ventilation Control, Building Commissioning, and Building Operations and Maintenance.

Facilitated informative design phase workshops for project teams to identify and select ‘green’ goals and measures to achieve sustainability objectives.

Instituted a process for assisting project teams in evaluating green building measures in terms of capital and life cycle costs, and environmental impact.



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Worked closely with designers to integrate green measures into project deliverables.

Instrumental in the development of an innovative green building Special Environmental Requirements specification (now known as section 01350), that establishes new indoor air quality and material resource efficiency standards.

As the Commissioning Agent, prepared Building, Indoor Air Quality and Green Building commissioning plans and reports that included pre- and post-occupancy air testing for volatile organic compounds and formaldehyde.

Selected projects include:

Capitol West End Office Complex (Consultant to Dreyfuss & Blackford Architects) and Capitol Area East End Complex Block 225 (Consultant to Hensel Phelps Construction Co.), Sacramento, CA – Principal, Sustainable building and USGBC LEED® consultant, Certified LEED® Gold; commissioning agent; prepared sustainable building specifications.

Student Housing North, Cal Poly State University, San Luis Obispo, CA – Principal, prepared Green Plan and conducted green building workshop.

The Ruth Bancroft Garden, Visitor Center, Walnut Creek, CA – Principal, Sustainable master plan and conceptual design for visitors' center.

Alliant International University Master Plan, San Diego, CA – Principal. Sustainable campus master plan.

The Osher Center for Integrative Medicine, UCSF, San Francisco, CA – Principal, Sustainable building practices.

California Collaborative for High Performance Schools (CHPS), CA (Consultant to Eley Associates) – Principal, Best Practices Manual and green specifications.

California Energy Commission, Sacramento, CA (Consultant to Eley Associates), - Principal, Reference Specifications for Energy and Resource Efficiency.

Pier 1 & Ferry Building, San Francisco, CA – Principal, QA/QC.

WorldBuild Technologies, Inc. (David Gottfried) founder of the U.S. and World Green Building Councils – Principal, Created Green Plans and participated in green building workshops for numerous projects, including the Santa Monica Public Safety Facility, Santa Monica, CA and the Cal/EPA Office Building, Sacramento, CA.

San Francisco Main Library, San Francisco, CA – Project Manager and sustainable building practices leader.

Fremont Main Library & Alameda County Library Administrative Offices, Fremont, CA - Project Manager and sustainable building practices leader.

Additional Experience

Adjunct Professor, California College of the Arts, School of Architecture San Francisco, CA, 1986-2002: Taught courses in Building Technology, Professional Practice and Green Building.

Guest Lecturer, numerous venues worldwide, including: State of Victoria, Melbourne, Australia; Green Building Council Australia, Sydney, Australia; SCUP, Toronto, Canada; International Federation of Library Associations and Institutes, Barcelona, Spain; International Society of Indoor Air Quality and Climate, Helsinki, Finland and Monterey CA; and multiple U.S. presentations. See Presentations for a more complete list.

Selected Professional / Community Activities

U.S. Green Building Council, Member (Company Membership) 1996-present

USGBC Northern California Chapter, Vice-President Board of Directors 2013-Present, Member Board of Directors and Treasurer 2003-2007



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USGBC National, Member Board of Directors, 2008–2012, Treasurer 2009-2012, Co-Chair Green Buildings and Human Health Working Group 2011–2013, Co-Chair Classroom to Boardroom Diversity Mentoring Initiative 2009-2011, Greenbuild Conference Program Committee 2003-2004

Health Product Declaration Collaborative, Member Board of Directors, 2012-Present

International Living Future Institute, Member, 2012 - Present.

Regenerative Network. Represented affiliate member (AECOM), and technical expert advising on green materials. 2010 - Present

NSF/UL 440 Committee, Member of Joint Committee on Health-based Emissions focused on developing national indoor air quality standards, 2010 – Present

California Department of Public Health, Indoor Air Quality (IAQ) Program, California. Participated in the update of California IAQ standard section 01350, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Various Sources Using Environmental Chambers Version 1.1" 2009–2011

Division of the State Architect, Appointed Non-Board Member, Advisory Board Appeal Committee for Zero Water Consumption Urinal Fixture Appeal, Sacramento, CA, 2004

Society for College and University Planning, Sustainability Task Force, 2001-2004

International Society of Indoor Air Quality and Climate, 1995-2012

American Institute of Architects, San Francisco, CA, 1983-present

Architects, Designers, Planners for Social Responsibility; Northern California Chapter Founding Steering Committee Member, Treasurer, 1985-1987

Publications

Indoor Air 2012, Brisbane, Australia, Published paper "*Healthy Building Products for Global and Human Health*," with Bill Walsh, 2012.

"Sustainable and Resilient Communities: A Comprehensive Action Plan for Towns, Cities, and Regions", Steven Coyle, 2011, Wiley. Wrote chapter "*Ambient Outdoor Air Quality –Community Health*".

"Interiors and Sources", "*The Ozone Factor: The Health Implications of Climate Change*", November 2008

"Interiors and Sources", Special Report, "*The Air We Breathe*", March 2008

"Sustainable Healthcare Architecture", Robin Guenther and Gail Vittori, 2008, Wiley. Wrote essay in Chapter 2 "*Good Air, Good Health*".

"Green Healthcare Institutions: Health, Environment, and Economics", Workshop Summary. Produced by Institute of Medicine of the National Academies. Author of "*The Case for Green Buildings II: Health Design Principles in Healthy Building*", 2007

"Contract", Green Column, "*What You Can't See. Building Occupant Health Related to IAQ is a Vital Part of the Sustainability Picture*," May 2005

"Planning for Higher Education," The Journal of the Society for College and University Planning, Published Paper, "*How Green is Green? Developing a Process for Determining Sustainability when Planning Campuses and Academic Buildings, "Greening" the campus through the workshop process is the precursor to "greening" the curriculum,*" Volume 31, Number 3, March-May 2003

"The Construction Specifier," Published Paper, "*Combating VOCs in Buildings - Specifying for Indoor Air Quality.*" co-authored with Huston Eubank, December 2002



9th International Conference on Indoor Air Quality and Climate, Indoor Air 2002, Monterey, CA: Published Paper, "*Special Environmental Requirements for a California State Office Building*," co-authored with H. Levin and L.E. Alevantis, 2002

"Urban Land," Published Paper, "*Saving Resources*," June 2001: 76-81, 94-95

Healthy Buildings/Indoor Air Quality 1997, Global Issues and Regional Solutions, Washington, D.C., Published Paper, "*Material Selection for the Public Library*," 1997

Sustainable Building Technical Manual, Green Design, Construction and Operations. Produced by Public Technology Inc. and co-sponsored by the Department of Energy, and the U.S Environmental Protection Agency: Author of Three Chapters, "*Indoor Air Quality*," "*Building Commissioning*," and "*Pre-design*" co-authored with Bill Reed, AIA, 1995

Second National Conference on Building Commissioning, St. Petersburg, FL, Published Paper, "*The Role of The Architect in Building Commissioning, Designing for Persistence and Reliability*," 1995

The Northwest Conference on Building Commissioning, Seattle, WA, Published Paper, "*Building Commissioning Provides Quality Assurance*," 1994

59th International Federation of Library Associations and Institutes, Barcelona, Spain, Published Paper, "*San Francisco Main Library: Healthy Building*," 1993

6th International Conference on Indoor Air Quality and Climate, Helsinki, Finland, Published Paper, "*Healthy Building: San Francisco Main Library*," 1993

American Institute of Architects Healthy Building Symposium, Los Angeles, CA, Published Paper, "*Healthy Building Designed for Major Public Library in San Francisco*," 199

Awards & Recognition

Breathe California 2012 [Clean Air Award](#), Green Buildings, April 2012. The award was presented in recognition for leadership in the movement to design buildings that are energy efficient, healthy and beautiful.

LEED Fellow, Green Building Certification Institute, September 2011.

USGBC Northern California Chapter David Gottfried Special Achievement (Super Heroes) Award, for being an "individual whose career and contributions to the industry demonstrate exceptional passion, leadership, and commitment to green building, USGBC, and the Northern California Chapter." November 2010.

NOAA La Jolla Laboratory Consolidation, AIA San Diego 2008 "Honor" Design Award "in Recognition of the Outstanding Contribution in Design"

AIA California Council 2004 Nathaniel Owings Award, "in recognition of a lifetime of service, commitment, and advocacy for the principles of sustainable design and preserving the earth's natural resources."

2002 Governor's Environmental and Economic Leadership Award, Certificate of Recognition, for "meritorious contributions to environmental protection and resource conservation in the State of California."

Fellow of the American Institute of Architects, May 1999.

San Francisco Main Library: AIA/ALA Library Buildings Award, Award of Excellence; 18th Annual Interiors Award, Schools/Libraries Category; and The Building Stone Institute, Tucker Award of Excellence, 1997-1998.

Fremont Main Library: AIA San Francisco, Interior Architecture Award for Design Excellence, 1991.



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Profile: “Anthony Bernheim, A Deeper Shade of Green” Published in *Building Australia* magazine, April 2005.

Interviewed for ABC National Radio Program: “Sick Buildings and Chemicals of Concern,” Sydney, Australia, March 19, 2005.

Interviewed for book published by Rocky Mountain Institute, Denver, CO, “Green Development, Integrating Ecology and Real Estate”, San Francisco Main Library, various citations, 1998.

Interviewed for feature article “Building Commissioning,” written by Nancy B. Solomon for *Architecture* magazine, June 1995.

Education & Professional Development

Master of Architecture, University of California, Berkeley, CA, 1984.

Bachelor of Architecture, University of Cape Town, South Africa, 1977.

U.S. Green Building Council, LEED® Accredited Professional, 2001; LEED AP BD+C, 2009, LEED Fellow 2011.

International Living Future Institute, Living Building Challenge Ambassador and Presenter, 2012.

Licensed Architect, California, New York, & Arizona.

NCARB Certified.

National Charrette Institute, NCI Charrette Planner Training, 2007.

Presentations

Microdesk, BuildingSuccess: The State of Green Conference: What does Building Performance Really Mean? Green Building and Human Health, San Francisco, CA, May 2013.

Green California Summit 2013, Building a Healthy Environment: A Comprehensive View, Sacramento CA, April 2013.

Breathe California 2013 Clean Awards, Keynote address, Building for Global and Human Health, San Francisco, April 2013

Healthy Buildings 2012, Healthy Building Products for Global and Human Health, Brisbane Australia, July 2012

Indoor Air 2011, Panelist for workshop, Low Emitting Building Products and Furnishings – What VOC emission data is available, how to establish baseline data, and how to communicate data to users? Austin, TX. June 2011.

USC AGC Sustainability Summit, Presented Integrated Sustainability from the Ground Up: Smart Design + Smart Construction, Los Angeles, CA, April 2011

VerdeXchange 2011, Presenter at Plenary Panel, “Green Build: Integrating Sustainable Planning / Design / Technology / Policy for Low Carbon City Building”, Los Angeles, CA, Jan. 2011

Build Well 2010, Panel moderator and presenter, “Materials in the Age of Climate Change”, Sausalito, CA, Jan. 2010.

NIOSH/CDC/EID, “Making Green Jobs Safe: Integrating Occupational Health into Sustainable Building Practices”, Washington DC, Dec. 2009

Healthy Housing for California Symposium, California Breathing, “Green and Healthy, Making the Connections”, San Francisco, CA, June 2009



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- CleanMed 2009, "A Breath of Fresh Air in Healthcare Facilities", Chicago, IL, May 2009
- Labs21, "Clean Air for Good Health: Occupant Health in Laboratory Buildings", San Jose, CA, September 2008
- West Coast Green Conference, "Green, Clean, and Unseen: Indoor Air and Health in the Home", San Francisco, CA, September 2007
- Institute of Medicine, The National Academies, Green Healthcare Institutions: Health, Environment, and Economics, "Design Principles in Healthy Building", Washington DC, January 2006.
- ULI, Developing Green: The Case for High Performance Buildings and Sustainable Development, "Lessons Learned from the First Generation of Green Buildings", Washington DC, June 2005
- UC/CSU Sustainability Conference, "Mini Eco Charrette Workshop", UC Santa Cruz, CA, June 2005
- Green Building Council Australia Forum, "Sustainability Measures for Occupant Health, Improving Indoor Air Quality Molecule by Molecule", Keynote speaker, Sydney, Australia, March 2005
- Melbourne Forum, "Building Productivity and Profit, Good Indoor Air Quality Improves Occupant Health", Australia, February 2005
- EcoEdge Conference, "Rating Systems: Expectations and Reality, LEEDing the Way", Melbourne Australia, February 2005
- SCUP Annual International Conferences,
- SCUP 39 "Collaborative Whole Building and Planning Approach to Sustainability", with Kevin Hydes, P.E., Canada, July 2004, and SCUP 2004 Pacific Regional Conference, Tempe, AZ, March 2004.
 - SCUP 38 "Greening UCSF Osher Center for Integrative Medicine: Goals, Measures, and Evaluation", with Susan Folkman, Ph.D. and Kevin Hydes, P.E., Miami, FL, July 2003
- SCUP webcast moderator and presenter, "Sustainability: Dollars and Sense - Understanding the Cost and Financial Benefits of Green Buildings", May 2004
- University of Wisconsin System Green Campus Symposium II, "Strategic Thinking for Long-term Campus Sustainability", Keynote speaker, Madison, WI, April 2004
- Wisconsin Green Building Alliance, "Designing for Well-being: Good Indoor Air Quality for Long-term Health", Milwaukee, WI, April 2004
- UC Santa Cruz 3rd Annual Campus Earth Summit, "Blueprint for a Sustainable Campus", Keynote speaker, Santa Cruz, CA, January 2004
- US Green Building Council GreenBuild International Conference and Expo:
- "The 'Greening' of the Campus 'greens' the Curriculum", with Prakash Pinto, and poster "Integrated Building for Integrative Medicine", with Lyn Oswald and Kevin Hydes, Pittsburgh, PA, November 2003
 - "State of California's First Comprehensive Green Building Project", with Michael Meredith and Greg Gidez, Austin, TX, November 2002
 - "Going 'Green' in the Golden State: Case Study from the California Capitol Area East End Complex", with Peter Saucerman AIA, Tucson, AZ, November 2001
- American Public Health Association 131st Annual Meeting and Exposition, San Francisco, CA, November 2003:
- Panelist "Characterizing the Impact of the Indoor Built Environment in Human Health Panel: Building for Good Indoor Air Quality and Long Term Health: An Architect's View"
 - Panelist "Healthy Community Design and Sustainable Growth: Policy, Politics, Research and Development: An Architect/planner perspective on planning and economic challenges of sustainable human focused development"



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SCUP telecast panel, "Got Sustainability! Plan For It. Making Sustainability a Foundation of Higher Education Learning and Practice", SCUP, October 2000

Conference on Building and Operating Sustainable College and University Campuses in the 21st Century, "Sustainable Campus Planning: Developing a Methodology and Process to Achieve a New Vision", with Prakash Pinto, Modesto, CA, April 2003

EnvironDesign6, "'Green' Lessons: California Capitol Area East End Complex", with Peter Saucerman AIA, Seattle, WA, 2002

San Francisco Planning and Urban Research Association, Ecological Urbanism Conference, "Green Building, Seeing is Believing", San Francisco, CA, 2001

American Institute of Architects, National Conventions:

Seminar, "Climate Adaptive Architecture in the Age of Globalization", with Daniel Nall FAIA, Chicago, IL, 2004

Seminar, "Ensuring Long Term Occupant Health by Design", with Hal Levin and Leon Alevantis, Chicago, IL, 2004

Workshop, "Tools and Principles of Indoor Air Quality Design, Indoor Air Quality Design", Denver, CO, 2001

Workshop, "Design for Improved Indoor Air Quality, Indoor Air Quality Design and Building Commissioning", Philadelphia, PA, 2000

Seminar, "Measurement and Cost of Green Building", with Scott Lewis, Philadelphia, PA, 2000

Workshop, "Building Commissioning", San Francisco, CA, 1998

Seminar, "Sustainable Design: Design for Good Indoor Air Quality", New Orleans, LA, 1997

Seminar, "Building Commissions Improves Building Performance", Atlanta, GA, 1995

Workshop, "Green Architecture: Indoor Air Quality Design is Cost Effective", Atlanta, GA, 1995