

Anthony S. Hartke, CM-BIM

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Profile

Solid background in architectural engineering and construction management, with emphasis in technology, preservation, and sustainability. Skilled in adding value to current industry practices by implementing new technology. Innovation evangelist.

Career History

Turner Construction Company, Columbus, Ohio

2014-current

Regional VDC Manager, Ohio Region

- Integrating BIM into the preconstruction process
- Regional Super User for various project software (Procore, Prolog, PlanGrid, BIM 360, Sharepoint, etc.)
- Overseeing and auditing VDC implementation on regional projects
- Developing and updating VDC contract documents for the region
- Orchestrating the use of BIM to support of estimating, sales, and business development
- Initiated the overhaul of preconstruction procedures and software (led the evaluation, testing and selection of CostX as the new platform)
- Served on the executive working committee for company-wide VDC “refresh”
- Served as member of the corporate innovation strategy team

Turner Construction Company, Columbus, Ohio

2021-current

VDC Pillar Lead, Meta Data Center Program

- Supporting VDC and Reality Capture efforts on coordination on \$5b+ worth of data center projects
- Serving as the Client’s primary point of contact for anything related to BIM, VDC, Reality Capture, etc.
- Driving standardization across all projects in the program
- Identifying and testing new technology solutions and developing operational use plans
- Engaging with partner GCs to develop programmatic best practices
- Evaluating project schedules to ensure that VDC efforts are integrated properly
- Providing support and guidance to new campus project teams to facilitate an efficient launch

Turner Construction Company, Columbus, Ohio

2017-2021

VDC Manager, New Albany Data Center

- Led the BIM coordination on \$900m+ worth of data center projects
- Developed and updated VDC scope documentation to facilitate client’s BIM Coordination and Reality Capture program goals
- Developed and managed a team of up to 7 dedicated personnel
- Utilized VR for review of the project models for Planning, EH&S and FM review (Oculus Rift, Fuzor, Enscape)
- Utilized laser scanning for verification of as-built condition vs. coordinated model (Trimble TX8, Leica RTC360, Realworks, Edgewise, Cyclone, ReCap)
- Utilized point capture (GNNS and Total Station)for spot checking field conditions and layout (TopCon GT-503, TopCon HiPER VR)
- Utilized UAV aerial imaging for progress photos and mapping/photogrammetry of 330+ acre project site
- Collaborated with the project’s design team to resolve constructability issues through the use of 3D models, laser scans, virtual reality and 360 degree photography/video

Turner Construction Company, Columbus, Ohio

2012-2014

VDC/BIM Preconstruction Engineer

- Performed 3D takeoff for estimate support
- Integral part of the estimating team on projects between \$10 and \$500 million
- Attended Turner’s 6 week BIM University

- Completed value management assessment exercises and developed cost models to help owners develop budgets
- Provided BIM support for the sales and business development teams

Turner Construction Company, Columbus, Ohio

2012-2014

BIM Coordinator/Assistant Superintendent/Assistant Engineer

- Research Building III at Nationwide Children’s Hospital (~\$90m)
- Oversaw 3D BIM coordination process for MEPFP trades
- Managed design team punchlists and oversaw owner’s commissioning agent
- Responsible for work in place tracking, daily construction reports, and safety
- Project served as test pilot for many new construction practices/processes including BIM and Lean construction initiatives

United States Army, Ohio Army National Guard, 371st SUS BDE

2001-2013

Sergeant

- 1/147th Armor, 1/174th Air Defense Artillery, 371st Corps Support Group, 371st Sustainment Brigade Signal Detachment, and 37th Signal Company
- 31B – Military Police, 25U – Signal Support Specialist, 25C – Single Channel Radio Operator
- SECRET security clearance
- Warrior Leader Course
- Distinguished Honor Graduate of Advanced Initial Training class
- Selected to train new German personnel contracted to assume security responsibilities for NATO Headquarters in Heidelberg, Germany

Landrum and Brown, Cincinnati, Ohio

2007-2008

Terminal Planning Coordinator (co-op)

- Input project schedules into Primavera Project Planner
- Analyzed current airport terminal conditions and layouts
- Prepared existing and proposed aircraft parking layouts from aerial imagery
- Developed 3D planning analysis models utilizing AutoCAD and FAA guidelines
- Sample Projects: New York Port Authority, Chicago O’Hare, Cleveland-Hopkins

Waltek and Co., LTD, Cincinnati, Ohio

2003, 2004, 2005

Project Coordinator (co-op)

- Secured quotes, purchased, and tracked/coordinated delivery of items and materials
- Prepared material take-offs, punch-lists, and submittal documents
- Developed/altered CAD details of glazing systems
- Sample projects: UC Rec Center, UC Varsity Village, UC Swift Hall Renovation, UC Student Life Center

ATA-Beilharz Architects, Cincinnati, Ohio

2004, 2005

CAD draftsman (co-op)

- Corrected red-lines, revised updates, and printed drawing sets
- Field measured and drafted as-built drawings for tenant build-outs
- Submitted drawings for code reviews at area planning agencies
- Built mass model for South Avondale Elementary replacement
- Updated/managed office’s Ohio School Facilities Commission inventory

Education

Degrees

- BS Construction Management, University of Cincinnati 2010
- AAS Architectural Engineering, University of Cincinnati 2010
- AAS Civil & Construction Engineering Technology, University of Cincinnati 2010

Certificates

- Healthcare Construction Certificate, ASHE 2011
- Geographical Information Systems, University of Cincinnati 2009

- Historic Preservation, University of Cincinnati 2008

Accreditation

- BCSP Safety Trained Supervisor Construction (STSC) 2019
- LEED AP (legacy) 2014
- AGC CM-BIM 2013
- LEED BD+C 2011
- LEED Accredited Professional 2009

Highlights

- **ABC/FMI Construction Tech and Innovation Conference**, Houston, Texas 2020
 - Presentation on Sensors and IOT
- **Columbus State Community College**, Columbus, Ohio 2015-2021
 - Guest Lecturer on VDC and Innovation in Construction
- **Builder's Exchange of Central Ohio** 2015-2018
 - Annual Presentation on Construction Technology and Innovation
- **German Village Commission**, Columbus, Ohio 2016-current
 - Chairman 2014-2015
 - Treasurer
- **Turner BIM University**
 - Instructor (trained 50+ individuals) 2013-2017
 - Attendee 2011, 2012
- **Turner Innovation Summit**
 - Attendee 2018, 2020
 - Planning Committee 2014-2017
- **German Village Historic Preservation Committee**, Columbus, Ohio 2010-2015
 - Resident member
- **CURT National Conference**
 - Presenter on Young Professional panel 2012
 - Assistant Conference Coordinator 2009
 - Student special guest 2008
- **Spirit of Construction**, Cincinnati, Ohio 2009
 - Student Award Recipient
- **Shoulder to Shoulder**, Concepcion, Honduras 2008, 2009
 - Surveyed 5+ acres property for construction of non-profit medical clinic
- **Construction Students Association (CSA)**, Cincinnati, Ohio 2008-2009
 - UC Student Chapter Vice-President
- **Design Build Institute of America (DBIA)**, Cincinnati, Ohio 2007-2010
 - UC Student Chapter President