

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.
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Career History	Turner Construction Company, Columbus, Ohio 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	<i>2014-current</i>
	Turner Construction Company, Columbus, Ohio 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	<i>2021-current</i>
	Turner Construction Company, Columbus, Ohio 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	<i>2017-2021</i>
	Turner Construction Company, Columbus, Ohio 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	<i>2012-2014</i>

- 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

- Presentation on Sensors and IOT 2020

Columbus State Community College, Columbus, Ohio

- Guest Lecturer on VDC and Innovation in Construction 2015-2021

Builder's Exchange of Central Ohio

- Annual Presentation on Construction Technology and Innovation 2015-2018

German Village Commission, Columbus, Ohio

- Chairman 2016-current
- Treasurer 2014-2015

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

- Resident member 2010-2015

CURT National Conference

- Presenter on Young Professional panel 2012
- Assistant Conference Coordinator 2009
- Student special guest 2008

Spirit of Construction, Cincinnati, Ohio

- Student Award Recipient 2009

Shoulder to Shoulder, Concepcion, Honduras

- Surveyed 5+ acres property for construction of non-profit medical clinic 2008, 2009

Construction Students Association (CSA), Cincinnati, Ohio

- UC Student Chapter Vice-President 2008-2009

Design Build Institute of America (DBIA), Cincinnati, Ohio

- UC Student Chapter President 2007-2010