

Cesare Caoduro

Copenhagen

Denmark

Mobile. +39 3917702870

Email. cesare.caoduro@gmail.com | Skype. cescaod | Twitter: @CesareCaoduro

LinkedIn. <https://www.linkedin.com/in/cesarecaoduro> | Blog: <http://bimandothers.blogspot.com/>

PROFILE

Cesare is an experienced BIM enthusiast that was one of the first Italian users of Autodesk Revit MEP. He has more than 10 years of continuous experience using this package and he has a particular interest in researching, developing and implementing BIM strategies, methodologies and workflows.

He is currently undertaking a BSc(Hons) in Engineering Management to have a deeper and solid understanding of Construction processes; pursuing the continuous development and research of new strategies/workflows to improve efficiency and productivity using generative design and visual programming, but also what he believes to be the most important pieces of the "BIM puzzle" – the 3C's – Collaboration, Communication and Coordination.

His passion for BIM is translated into the outstanding quality of work achievements delivered at all times. He is a strong believer in teamwork that is always committed and dedicated to deliver the best in each project. He is also well known for his creative visions and ideas; he is an innovative and a practical thinker - "*simplicity is the most sophisticated method*".

His work and experience has been developed across different projects and countries including Qatar where he's actually based, this provides him with a high cultural intelligence and capability of adaption to any cultural environments/challenges.

KEY COMPETENCES

- ✓ BIM standards development, implementation and enforcement
- ✓ BIM execution plan development and implementation
- ✓ Automated workflows to support BIM standards and productivity
- ✓ Innovating best practices for using Revit, Navisworks and BIM
- ✓ Coordination and modelling of Revit and other software in BIM projects
- ✓ Development and promotion of new strategies for most effective use of BIM
- ✓ Quality control and development of Revit content/families
- ✓ Developing BIM / Revit MEP project and standard templates
- ✓ Executing periodic quality check for consistency in production of construction documents
- ✓ Updating company's BIM standards with new advancements in BIM technologies
- ✓ Troubleshoot various BIM software (related problems)
- ✓ Collecting and processing 2D documentation and 3D models for design coordination and construction
- ✓ Providing internal Revit and Navisworks training sessions
- ✓ Demonstrating leadership and supervisions skills towards project BIM team and all of its activities
- ✓ Assisting project teams with BIM project setup and development
- ✓ Coordinate/Manage staff BIM training and development
- ✓ Coordinate and manage BIM internal and external meetings
- ✓ Establish quality control procedures to check that all of the models are accurate and the level of detail is fit for purpose
- ✓ Coordinate handover of BIM model and data at the agreed milestones programme/contract

OTHER KEY ACHIEVEMENTS / HIGHLIGHTS

BIM Author/Blogger

- *BIM and others* – Personal blog [Link](#)

BIM Conferences/Meetings

- Presentation: Official Autodesk presenters for all Italian Autodesk seminars related to Architecture Engineering and Construction market, from 2007 to 2015
- Presentation: **Dynamo for Construction companies** at Autodesk University Istanbul (Istanbul, Turkey) - October 2016
- Presentation: **MEP Engineers on the way** at Autodesk University Middle East (Dubai, UAE) - December 2016
- Presentation: **International Consultant Driving Digital Engineering Workflows** at BIMMEPAUS Construction Innovation Forum (Melbourne, Australia) – September 2017
- Selected speake: **MEP made easy with Dynamo** at Autodesk University (Las Vegas – NV) – November 2017

PROFESSIONAL EXPERIENCE

BIM Implementation Specialist (permanent position)

Apr 2017 - Present

COWI A/S | Copenhagen, Denmark | www.cowi.com

Work in the BTM (Bridge Tunnel and Marine) department with a specific focus on implementing BIM strategy within the structural and MEP team

Main duties and responsibilities:

- ✓ Prepare and maintain a multiplatform production environment to allow collaboration between a large multi-person team without loss of productivity
- ✓ Develop Models and Tunnels specific templates
- ✓ Regularly review BIM model content and processes
- ✓ Create and own the multidisciplinary spatial coordination responsibility for tunnels and underground infrastructures projects in 3D, taking into account coordination with structural, architectural, MEP and civil components
- ✓ Create modelling protocols that allow for export content to analysis and visualization software
- ✓ Customize intelligent components to optimise production of the entire Tunnels team using API development skills
- ✓ Run BIM kick-off meetings and develop BIM execution plans at the start of the project
- ✓ Use Navisworks to coordinate BIM model with all design team members from other trades and demonstrate conflicts which must be resolved. Run BIM coordination meetings with other BIM technicians to resolve conflicts as much as possible
- ✓ Responsible for BIM file management for multiple projects, including file naming, versioning, viewports, paper sheet setup, scripts, etc, along with management of file transfer protocols in an organized fashion
- ✓ Sharing knowledge to the rest of the team by training sessions.

BIM Manager Qrail Underground and Elevated Project (permanent position)

Dec 2015 – April 2017

Anel Group | Doha, Qatar | www.anel.com.tr

Working together with design and construction teams to deliver shop drawings for all MEP services.

Main duties and responsibilities:

- ✓ Coordinate all BIM Logistics (Contracts, Emails, File sharing, etc.)
- ✓ Create, maintain and analyse federated model mainly for coordination purposes.
- ✓ Review and document design document and coordination conflicts.
- ✓ Run and analyse clash detection on federated model.
- ✓ Communicate conflicts in model; both real and potential.
- ✓ Prepare and distribute clash reports to facilitate the coordination process.
- ✓ Schedule and facilitate coordination meetings along with project manager and/or superintendent.
- ✓ Facilitate sign off and submittal of coordinated areas.
- ✓ Site inspection and liaising with trade contractors.
- ✓ Meet with designers/owners as required to facilitate review of models as needed
- ✓ Coordinate with BIM service providers and Subcontractors located outside the country (mainly India, Turkey and KSA)
- ✓ Assist project team with construction coordination and scheduling.
- ✓ Provide field subcontractors with the most current coordinated information.
- ✓ Work with the field staff to understand how they work and what information they need.
- ✓ Facilitate foreman model review meetings.
- ✓ Participate in job layout driven by 3D model data
- ✓ Assist commercial department in tender BOQ preparation, interim payment application, variation orders and claim submission
- ✓ Coordinate with procurement department to prepare the most accurate BIM content reflecting the real supplier data and information
- ✓ Coordinate with T&C team to implement a cloud system based on Autodesk platform in order to follow all installation and handover operations

Projects involved:

- ✓ Qatar Rail Red Line South Underground: 5 Stations, 5 Switch Box 30 Cross passages, 3 Emergency Exits
- ✓ Qatar Rail Red Line South Elevated At Grade level: 3 Stations
- ✓ Dubai I

AEC/ENI Industry Territory Sales Executive (permanent position)

May 2015 – Dec 2015

Autodesk | Milan, Italy | www.autodesk.com

Responsible for assigned sales quotas and goals within a defined industry and geographic territory.

Main duties and responsibilities:

- ✓ Establish effective long-term customer relationships, working with all levels within the account.
- ✓ Leverage chosen sales processes, tools and methodologies.
- ✓ Coordinate internal resources with representatives from pre-sales, and/or other internal organizations.
- ✓ Develop Industry sector knowledge.

- ✓ Support all Autodesk strategic plans and marketing campaigns. Take the lead in actively driving all potential opportunities where resellers lack or require a higher level of capability. Carry out the implementation BIM solution on projects, collaborating with Autodesk internal team and clients
- ✓ Analyse customer business workflows and document findings in order to improve productivity and efficient
- ✓ Define, construct, and carry out the adoption of BIM implementation plans, strategies and process maps, leveraging industry requirements and best practices
- ✓ Manage customer relationships on implementation projects
- ✓ Document, share and promote BIM team best practices for redistribution and consistent implementation at a corporate level

BIM Manager / Technical Manager (permanent position)

Oct 2012 – May 2015

Tech Data | Milan, Italy | www.techdata.it

Working for one of the major main contractor in Kuwait, managing all the BIM processes and implementation.

Main duties and responsibilities:

- ✓ Technical consultant of Autodesk CAD division (Datech): Architecture, Engineer, Construction, MEP Systems, Multimedia and Entertainment.
- ✓ Develop Autodesk 3D design software, technical coordination of our national resellers in all their activities in technical seminars, presentations and exhibitions, end users visits and high level consulting and support.
- ✓ Work intensively with the marketing and sales area to define strategies and content development of technologies related to architecture, civil engineering, industrial design and multimedia.
- ✓ Develop consultants networking (AEC, MEP, Structure, MFG, Civil & GIS)
- ✓ Long experience as a consultant and project manager for research and engineering companies
- ✓ Institutional AEC and M&E specialist speaker for Autodesk in main events and exhibition.

Some Customers involved:

- ➔ aMDL Michele De Lucchi Architect, Milan (Italy) - BIM Standard, training and lead coordinator
- ➔ Antonio Citterio and Patricia Viel Architects - BIM Specialist consultant
- ➔ Geodata Spa, Turin (Italy): BIM Specialist consultant
- ➔ Autodesk (Milan, Munich, Dallas, Las Vegas, Istanbul and Dubai): training and support

BIM Lead / Revit MEP Specialist (permanent position)

Mar 2009 – Oct 2012

Descor Srl | Rome, Italy | www.descor.com

Main duties and responsibilities:

- ✓ BIM implementation
- ✓ Developing and creating new families/templates/standards for Revit MEP
- ✓ Customers trainer and consultant

Projects involved:

- ➔ Seting Srl - Project: "Cityringen - Copenhagen - Aksel Moller Have Station"
- ➔ Vianini Ingengeria (Rome): BIM Standard and training
- ➔ Brioni (Rome): 3D Visualization and dress modeling
- ➔ Ecosfera (Rome): training
- ➔ Nemesi Studio (Rome): BIM Standard and training
- ➔ Ministry of Infrastructure (Rome): CAD/BIM training
- ➔ Senato (Rome): training

BIM Coordinator, Application Engineer BSD - M&E (permanent position)

Apr 2007 – Mar 2009

Cadding Srl | Bari, Italy | www.cadding.com

Main duties and responsibilities:

- ✓ Revit MEP implementation
- ✓ Revit MEP training and support of CAD technicians
- ✓ 3D modelling and co-ordination of all type of building services
- ✓ Developing and creating new families, templates and standards for Revit MEP

CAD/BIM Consultant/Expert (freelance)

2004 – Apr 2007

Italy

Main duties and responsibilities:

- ✓ 3D modelling and co-ordination of all type of building services
- ✓ Producing 2D & 3D drawings using Revit
- ✓ Developing new families for Revit
- ✓ Revit training and support
- ✓ Developing and creating new families/templates/standards for Revit

PROFESSIONAL QUALIFICATIONS & TECHNICAL SKILLS / KNOWLEDGE

University of Lincoln – Lincoln, United Kingdom

2016 – Present

B.Sc.(Hons) in Engineering Management

Faculty of Civil Engineer, Polytechnic of Bari – Bari, Italy

B.Eng. Civil Engineer, Optoelectronic and Lasers – Degree not completed

SOFTWARE/PLATORMS

Proficient Knowledge

Autodesk Revit
Autodesk Navisworks
Autodesk BIM 360 Glue
Autodesk BIM 360 Field
Autodesk Dynamo
Autodesk BIM 360 Team
Autodesk Civil 3D

Good Knowledge

Autodesk Point Layout
Autodesk Infracworks
Autodesk Vault
Autodesk Plant P&ID - 3D
Autodesk 3ds Max

Basic Knowledge

Solibri
Tekla
Autodesk Advance Steel

BIM STANDARDS/PROTOCOLS KNOWLEDGE

BS 1192:2007	AEC UK BIM Protocol	Singapore BIM Guide
PAS 1192-2:2013	COBie UK 2012	BIM Execution Planning Guide (PennState)
CIC BIM Protocol	AIA BIM Standards/Protocol	BIM Execution Planning Guide (Autodesk)
PAS 1192-3:2014	BS 1192-4:2015	PAS 1192-5:2015
Digital Plan of Works	Government Soft Landings	Uniclass 2015

LANGUAGES

Italian – Native speaker

English – Professional Work Proficiency

ORGANIZATIONAL / MANAGERIAL SKILLS

Coordinate 80 BIM modellers, 5 BIM coordinators across all company projects including Qatar, Dubai, Turkey

JOB RELATED SKILLS

- ✓ Preparation of BIM Implementation framework
- ✓ BIM Deployment strategy / management
- ✓ Project BIM Management
- ✓ BIM for Tendering and Project Estimation
- ✓ Shop drawings submission
- ✓ Mentoring skills (responsible for the training and induction of new staff)
- ✓ Leading BIM implementation throughout Design, Construction and office based tender submissions where required. Responsible for successfully implementing the Project BIM Strategy.
- ✓ Ensuring the design and supply chain teams maintain compliance with the Project BIM Strategy.
- ✓ Setting up and chairing BIM Implementation meetings with design and supply chain teams.
- ✓ Engaging with the Project delivery teams to ensure a collaborative working environment is used from an early design stage to final handover and completion of a project.
- ✓ Acting as the main project contact for BIM by delivering training, mentoring, trouble shooting and auditing.
- ✓ Managing the collaboration of 3D data
- ✓ Connection between construction, procurement and commercial department

OTHERS

- ✓ Married with one son
- ✓ Available to relocate in 30 days
- ✓ Available to travel for job up to 60%
- ✓ Preferable area: UAE, UK, US, Canada, Australia