

CHARLES ATENCIO

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<http://CharlesAtencio.com>

Dynamic and consistently high performing Project Manager with expertise in systems analysis and 15 years of demonstrated effectiveness in providing hands-on problem solving, analysis, team leadership, strategic guidance, and design coordination for complex interdisciplinary projects.

- Strong engineering and management experience with small size as well as large-scale projects spanning across government consulting, pharmaceutical / life science, energy, technology, academic, and defense industries.
- Diverse experience in project management, product management, change management, team leadership, process improvement, social media marketing, technology market research, estimating, scheduling, vendor sourcing / procurement, risk assessment, interdisciplinary problem solving, team coordination, and IT configuration / networking.
- Subject matter expertise in product management, system engineering, corporate sustainability, system dynamics, energy analysis, HVAC engineering, ASHRAE / LEED standards, government-military civil affairs, and system thinking.

EDUCATION

Massachusetts Institute of Technology

Master of Science, Engineering Management

Cambridge, MA

Jun. 2010

- Leadership Mentor - MIT Gordon Engineering Leadership Program (MIT GEL).

Worcester Polytechnic Institute

Bachelor of Science, Mechanical Engineering

Worcester, MA

Jun. 1999

- Midshipman / Cadet - United States Navy Reserve Officers Training Corps (NROTC).

PROFESSIONAL EXPERIENCE

Program Manager / Chief of Staff

Prince of Wales Fellows at MIT

Mar. 2011 - Present

Cambridge, MA

- Established entrepreneurial partnerships with leaders in academia, industry, military commands and the IBM Network Science Research Center (NSRC) for projects on cyber security, civil affairs, social network analysis, and global strategy by developing whitepapers, preparing proposals, preparing research presentations, and managing project timelines, which have resulted in expanded market opportunities across defense and international development industry sectors.

Capital Project Manager / Senior Mechanical Engineer

Lantheus Medical Imaging

Jan. 2013 - Apr. 2014

Billerica, MA

- Directed complex cross-organizational capital projects that supported 24/7 FDA-regulated pharmaceutical manufacturing operations, by evaluating system requirements, developing project scope, scheduling construction projects, estimating budgets, preparing procurement documentation, reviewing reports, and supervising contractors and consultants.
- Developed processes that increased efficiency in engineering scope development, technical design review, and construction administration, which partnered with stakeholders from environmental health and safety, radiology, operations, manufacturing, quality control, process support, maintenance, and external manufacturers.

Project Energy Analyst

M+W U.S.

Apr. 2011 - Nov. 2011

Albany, NY

- Awarded Leadership in Energy and Environmental Design (LEED) Platinum certification for the analysis of the 10 megawatt Massachusetts Green High Performance Computing Center (MGHPCC) by identifying and estimating IT energy efficiency opportunities in data server computer processor control and HVAC / chiller plant infrastructure operations.

System Design and Management Fellow / Technical Instructor

Jan. 2009 - Feb. 2011

Massachusetts Institute of Technology - System Design and Management Program (MIT SDM)

Cambridge, MA

- Accelerated adoption of supply chain sustainability frameworks at Oxfam America, the Coca-Cola Company, and Unilever by collecting data, leading workshops, and developing innovative change management processes.
- Identified successful corporate sustainability policies for multinational automotive supply chains in Mexico, Brazil, and Argentina, which incorporated environmental protection, economic development, technology transfer, and labor relations.
- Evaluated business strategies, market adoption, and development of cloud computing and green IT technologies.

Project Manager / Lead Engineer

Sep. 2007 - Dec. 2008

AHA Consulting Engineers

Lexington, MA

- Led the 8-person agile design and construction management of laboratories for the pharmaceutical and life science industries by facilitating the design process, resolving impediments, capturing data, and promoting innovative solutions.
- Reviewed project designs, calculations, and specifications to verify alignment with customer requirements and ensure compliance with FDA protocols, ISO and ASHRAE standards, building codes, and industry guidelines.
- Awarded LEED Gold project certification for exceeding 20% in energy savings in the design of the FM Global 400,000 sq. ft. corporate headquarters and Tier 3 data center.

Account Project Manager

Sep. 2006 - May. 2007

RDK Engineers

Andover, MA

- Managed relationships with customers, product owners, and stakeholders in the pharmaceutical / life science industries by leading meetings that aligned project scope, schedule, and deliverables with customer requirements and business strategy.
- Justified the addition of green building technologies to laboratories that saved \$1 million in net annual operating costs.

Mechanical Design Engineer

Oct. 2004 - Aug. 2006

AECOM (formerly Earth Tech / Tyco International)

Concord, MA

- Ensured that \$20M+ public sector capital projects for State and Federal agencies remained on schedule and under budget by conducting multidisciplinary meetings and reviewing engineering designs and specifications.
- Improved healthcare facilities systems at the National Medical Center by working with Johnson Controls technicians to analyze system performance data, diagnosing root causes of HVAC failures, and recommending cost-effective solutions.

Mechanical Engineer

Sep. 1999 - Jan. 2004

Parsons Engineering (formerly Process Facilities / PFI Design)

Boston, MA

- Designed ISO-compliant clean rooms, labs, and FDA-certified manufacturing plants by engineering HVAC systems, writing specifications, preparing technical reports, inspecting construction, and commissioning / validating systems.

FREELANCE AND VOLUNTEER EXPERIENCE

Joint Cabinet Crisis (JCC) Administrator - *Northeastern University***Social Media Director / Campaign Coordinator** - *Committee to Elect Oscar Camargo***Chief of Staff** - *MIT/University of Wales Humanitarian Assistance Disaster Relief Centre (HADRC)***Social Media Advisor** - *MIT Geospatial Data Center (MIT GDC)***Leadership Mentor** - *MIT Gordon Engineering Leadership Program (MIT GEL)***Chief Operating Officer** - *MIT Social Media Club***Recruiter and Outreach Coordinator** - *MIT SDM Industrial Relations Committee (MIT SDM IRC)***Co-Organizer** - *MIT Energy Conference***Computer Developer and Network System Administrator** - *Independent Consultant*

CERTIFICATIONS, QUALIFICATIONS AND ASSOCIATIONS

Certifications

- Engineer-in-Training (EIT), Massachusetts Board of Professional Engineers and Land Surveyors, 2000.
- Certificate in Applied Project Management (CAPM), Boston University, 2007.
- Lean Six Sigma: Green Belt, 2015 (expected).
- CompTIA A+ / CompTIA Network+ / CompTIA Security+, 2015 (expected).
- Security Clearance: Secret (inactive), U.S. Navy ROTC, College of the Holy Cross, 1995-1997.

Qualifications

- Spoken Languages: English (native), Spanish (fluent).
- Software Applications: Microsoft Office (Excel, Word, PowerPoint), Microsoft Project, SAP, AutoCAD, Pro-Engineer, Algor, MATLAB, Maple, Vensim, Adobe Photoshop, Adobe Premiere, Sony Vegas, Google Analytics, Google Maps, Mindjet Mindmapper, Trane Trace 700, Carrier Hourly Analysis Program (HAP).
- Social Media Platforms: Facebook, LinkedIn, Twitter, YouTube, Google Blogger, Wordpress, Pinterest, Flickr, Instagram.
- Programming Languages: HTML, C, Visual Basic, and QuickBASIC.
- Operating Systems: Windows XP, Windows Vista, Windows 7, Mac OSX, Linux.

Associations

- Professional Associations: Institute of Electrical and Electronic Engineers (IEEE), U.S. Naval Institute (USNI), System Dynamics Society, Project Management Institute (PMI), Boston Product Management Association (BPMA), Society of Hispanic Professional Engineers (SHPE), American Society of Mechanical Engineers (ASME), American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE).
- Academic Associations: MIT Gordon Engineering Leadership Program (MIT GEL), MIT Energy Club, MIT Enterprise Forum, MIT Social Media Club, MIT Sloan School of Management Alumni, MIT System Design and Management Alumni, WPI Sustainability Alliance, WPI Alumni.
- Community Associations: Knights of Columbus (3rd degree), St. Augustine's Church, Star Citizen (Cloud Imperium Games), Descendent: Underground (Descendent Studios).

PUBLICATIONS AND PRESENTATIONS

Theses and Capstone Projects

- The Impact and Role of Multinational Corporations in Achieving Sustainability in Latin American Countries, MIT, 2010.
- Higgins Labs HVAC Design, Worcester Polytechnic Institute, 1999.
- Computer Integrated "Success for All" - Computers in Educational Curriculum, Worcester Polytechnic Institute, 1998.
- Anti-Submarine Warfare in the North Atlantic - Innovation in Global Strategy, Worcester Polytechnic Institute, 1997.

Journals, Conferences, and Workshops

- Robust Decision Engineering: Collaborative Big Data and its Application to International Development/Aid, International Workshop on Collaborative Big Data, Institute of Electrical and Electronics Engineers (IEEE), 2012.
- Humans as Sensors: The Next Generation of Geospatial Technology Applications to Anticipate and Mitigate Climate Conflict," The African Centre for the Constructive Resolution of Disputes, South Africa, 2011.
- System Dynamics Models for Social Media Behavior, Cyber-Physical Supply Chain Summit, Wales, UK, 2011.
- Multinational Corporation Sustainability Supply Chain Workshop, Oxfam America & MIT Sloan, 2010.
- Energy and Efficiency in Residential Buildings Workshop, MIT Energy Conference, 2010.

White Papers, Technical Reports, and Case Studies

- Massachusetts Green High Performance Computing Center: Energy Model & PUE Report, M+W Group, 2011.
- Analysis of Cloud Computing as a Disruptive Technology, MIT Sloan, 2010.
- Open Source Project Management in Fedora Software Development, MIT Sloan, 2009.
- Somali High Seas Piracy Resolution - An Application of Systems Engineering to International Policy, MIT ESD, 2009.
- Strategic Analysis and Recommendations for Green IT Management of Data Centers, MIT Sloan, 2009.