# IoT Business Intelligence Lead

## Company Description

WCG is a consulting firm focused on navigating clients through the process of identifying operational and customer-facing improvement opportunities achieved by the integration of advanced, connected technologies, systems, and solutions.

WCG provides expertise and services for the manufacturing (Smart Manufacturing), utility/energy (Smart Energy), and municipal government (Smart Cities) spaces.  In each space, WCG leads its clients through the entire project lifecycle by performing the following core services:

1) Needs Assessments / Gap Analyses

2) System / Solution Selection & Sourcing

3) Solution Implementation Assistance

       a. Process Design & Re-engineering

       b. System Architecture

       c. Project Management

       d. Data Analytics / Business Intelligence

Our focus is on capitalizing project ROI by re-engineering and optimizing core business processes, pairing long-term company priorities / initiatives with advanced and sustainable technical solutions, delivering tactful change management, all while driving a cost-efficient and risk-averse approach to project management and solution delivery.

## Opportunity

WCG's Smart Manufacturing Division is looking for innovative leaders who will partner with WCG clients to identify and implement process improvement opportunities through a combination of integrating connected IoT devices, utilizing data analytics / business intelligence tools, introducing a more empowering technical architecture, and performing general process design and re-engineering.

## Job Description

**IoT Business Intelligence Lead**

The IoT Business Intelligence lead will be the key resource in driving all data collection strategies, organizing data warehousing activities, and translating all machine and process-related data into actionable operational strategies and directives.

The IoT Business Intelligence lead will be expected to intimately learn the client's requirements / value drivers and build data analytic and reporting tools to drive results and future business operations.  In doing so, this candidate will be expected to apply advanced big data methods, predictive analytic

models, data-driven simulation, machine learning / AI integration, and algorithms for analyzing, comparing, and identifying key patterns in large, multi-system data pools.

A key deliverable will be the development of strategic, real-time data-driven dashboards to be used to drive operational decisions at both the ground-floor and executive suite.

Responsibilities include:

- Developing a data analytics / business intelligence strategy that meets the client's value drivers and operational improvement opportunities

- Manages data and information within the system to maximize system capabilities and reporting flexibility to meet end user needs

- Evaluates and proposes system design and participates in peer reviews to further support the client tool and data needs

- Identifying key data collection points, including critical machine processes, operator inputs, and interfacing systems

- Strategize with the IoT Systems Architect to design the ideal environment for efficient data collection, warehousing, and analysis

- Collaborate with client management and lead project consultant to develop KPIs along with strategy for developing real-time presentation and analysis

## Location / Travel
The Data Analytics / Business Intelligence Lead requires up to 50% travel to work from client sites.  All other time can be completed remotely or from home when not traveling.

## Minimum Experience
- BA/BS, or MA/MS degree preferably, in Computer Science or a data technology-related discipline

- Experience working with data-driven simulations and advanced predictive analytics

- Experience developing data-driven dashboards and real-time reporting tools

- Knowledge of a range of programming languages including Java, Javascript, Python, SQL, Flux or related languages

- Experience configuring or programming in IoT Edge or Cloud environments (ThingWorx, Azure, AWS) is an asset

- 3+ years of development and/or DBA experience in Relational Database Management Systems

- 5+ years of hands-on implementation experience and performance tuning

- Fundamental awareness of common ERP/PLM platforms and data structures

- Experience defining and developing analytic solutions applied to a Manufacturing or Operational Technology environment

## Resume Submittal
- Please submit your resume to Jobs@wcg-consulting.com