

Employment Opportunity: Intelligent Transportation Systems (ITS) Systems Analyst/Engineer

Consensus Systems Technologies (“ConSysTec”)  
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ConSysTec (Consensus Systems Technologies Corp., [www.consystec.com](http://www.consystec.com)) is a small Systems Engineering consulting firm, specializing in Intelligent Transportation Systems (ITS). We have been in business for over 20-years.

**Role:** Entry-level or Junior Systems Analyst/Engineer. This position will have the opportunity for substantial professional development with mentoring from experienced professionals who are recognized as the leaders in this industry.

**Status:** MUST be US citizen or Permanent Resident/Green Card holder. No exceptions.

**Education:** BS or higher in EE, Transportation Engineering, CS or equivalent technical/STEM major.

**Experience:** Is a plus, but not a requirement for this opportunity.

**Location:** Most of our staff is in the New York Metro region, but residence in other locations will be considered.

**Attitude:** MUST be a self-starter and able to complete assignments independently. Help and mentoring is available – but the successful candidate will know when to seek help and maintain progress. Excellent judgment is a requirement.

**Responsibilities:**

- Near Term:
  - Assist and eventually lead the development and maintenance of regional ITS architectures
    - Understand and document stakeholder requirements for regional interoperability
  - Develop and maintain traceability matrices for data specifications and standards for transportation systems:
    - Needs (Concept of Operations) to Requirements (functional and performance)
    - Requirements to Design
  - Run and update/test software applications that convert large data sets from one format to another (e.g. for transit schedule data).
- Longer Term:
  - IV&V (Independent Verification and Validation)
  - Support project management and project systems engineering management.

**Computer skills:** Must be excellent. Able to use Microsoft Excel and Access databases. Able and willing to learn new computer languages and technologies as needed. For example, we have developed scripts and software using Visual Basic for Applications (VBA), Microsoft Access, Python, SQL, and PHP. We also maintain a web site, so ability to navigate HTML is a plus.

**Language skills:** English must be excellent. This position will require engaging with stakeholders to understand and document requirements, and to communicate implications of technical

choices and options to stakeholders so that they can make informed choices. Ability to write technical documents is required. Projects include developing national technical standards for traffic systems, which is very detailed and quality oriented.

Fluency in other foreign languages are a plus. ConSysTec has performed work internationally.

**Other skills:** Familiarity with the INCOSE approach to systems engineering is a plus, but not a requirement for this job.

**Work Environment:** ConSysTec has a very flexible work location program. Most employees choose to work in a home office. The company 100% supports home offices with the cost/expense of computer hardware, high speed internet connections, printers, scanners, smartphones, etc.

Business travel can be frequent, and is NOT optional. All reasonable and actual costs are reimbursed.

**Compensation:** Dependent on qualifications and experience.

**Benefits:** 100% company paid medical/dental insurance + 100% company paid profit sharing (qualified retirement account) + vacation. This is an exempt W-2 (not 1099) position. ConSysTec will reimburse for costs for successful certifications (EIT, PE, CSEP) of benefit to the company.

**Instructions:** Send to [rsj@consystec.com](mailto:rsj@consystec.com) by email:

1. Attach a 1-page maximum cover letter in PDF format including your salary requirements (don't leave this out!) and explaining why you're a good fit for this job. To explain why you're a good fit for the job just carefully read the job description above, and peruse our website ([www.consystec.com](http://www.consystec.com)), then tell us why this is what you want to do.
2. Attach a current resume in PDF format.
3. Attach a sample of your original technical writing (a paper, report, technical essay, article, or other technical material) in PDF format.
4. DO NOT CALL! If you have questions, please email them.
5. After your email and attachments are reviewed, qualified potential candidates will be contacted for interviews to be held first by phone (up to one-hour), and if chosen for further consideration then for a 2-hour face-2-face interview in NYC. Date / time TBD. If you are selected for an interview in NYC and are traveling from outside of NYC, your reasonable, actual, and documented travel costs will be reimbursed.

**ConSysTec Core Beliefs:**

- Service to the customer
- Excellence in everything we do
- Respect for all individuals

Thank you for reading this far, and good luck in your career search.