

Carl Sorenson



Company Role

GIS Administrator

Project Role / Focus Areas

- Design and Deploy Evari's Enterprise GIS systems
- Provide ongoing system support

Education

- B.S. – Geography, Arizona State University - 2013

Registration / Certification

- Certificate in GIS, Arizona State University - 2013
- Amazon Web Services: TCO and Cloud Economics Accreditation – 2014
- Amazon Web Services: Business Professional Accreditation – 2014
- Amazon Web Services: Technical Professional Accreditation – 2014
- Member of URISA Southern California chapter
- Member of Amazon Partner Network
- Member of San Diego AWS User Group

Technical Skills and

Interests

- Esri ArcGIS Desktop, Server, Javascript API
- HTML 5, CSS 3
- Amazon Web Services
- Systems Architecture

Experience Profile

Carl Sorenson is Evari GIS Consulting, Inc's GIS Administrator. He is responsible for developing and implementing Evari's GIS and cloud computing systems. With deep technical skills and a high attention to detail, Carl ensures that every system Evari deploys meets or exceeds clients' expectations. Carl started with Evari GIS as a GIS Technician in 2013, and has become progressively more integral to the team, now managing Evari's Amazon Web Services cloud infrastructure network, including Elastic Compute Cloud (EC2) servers, Amazon Workspaces within a Virtual Private Cloud (VPC), and web and mobile GIS systems using ArcGIS Server, SqlServer, and ArcGIS JavaScript API in order to streamline management of various construction, planning, and street lighting projects.

Professional Experience

Evari GIS Consulting, Inc.	2016 - Present
• <i>GIS Administrator</i>	
Evari GIS Consulting, Inc.	2014 - 2016
• <i>Project Manager/GIS Analyst</i>	
Evari GIS Consulting, Inc.	2013 - 2014
• <i>GIS Technician</i>	

Street Light Audit for the Hawaii Department of Transportation (HDOT) (2014). Technical Lead and Project Manager for \$300,000 project to audit street lights across 4 islands for the Hawaii DOT as subcontractor to Johnson Controls Lighting Services. Set up ArcGIS Server on AWS platform, hired and trained independent contractors, organized materials and logistics, executed traffic safety plan, quality control, and met regularly with municipal and prime client

LED Streetlight Upgrade Program, Pacific Gas & Electric (PG&E), California (2015-Present). Project Manager and technical lead on streetlight inventories in Chico, Marysville and Merced, California; works with PG&E analysts to standardize data submission requirements; designed and implemented field audit system; trained installation contractors to use GIS app to update as-builts; supports over 50 named users leveraging Enterprise License Agreement (ELA), load balanced within the Amazon Cloud and leverage SqlServer and ArcGIS Server (Enterprise Advanced).

Investment Grade Audit and LED Lighting Conversion Project, City of Tucson, Arizona: Configured system to facilitate the audit of 23,000 streetlights; created web maps for Ameresco (Prime Contractor) staff to edit data and make determinations about new fixtures, based on factors related to RP-8 compliance.

Intelligent Node Deployment, City of San Diego, California (2017-Present). Supports a \$6,940,000 smart city project to deploy smart sensors on street lighting assets throughout the City of San Diego.

Selected Conference Proceedings and Presentations

1. "Mobile GIS for Street Light Conversions and Audits" at EnerGIS Conference – May, 2015
2. "Configuring an Enterprise GIS within the Amazon Cloud" at San Diego AWS User Group – November, 2015