

SOLOMON TESFAY

Senior Structural Engineer, Construction Manager

"Structural engineering is the art of molding materials we don't wholly understand, into shapes we can't fully analyze, so as to withstand forces we can't really assess, in such a way that the community at large has no reason to suspect the extent of our ignorance." ...James E. Amrhein - Masonry Institute of America

EXPERIENCE

NOVEMBER 2015– PRESENT

SENIOR STRUCTURAL ENGINEER, ZAMRA CONSTRUCTION

Structural Value Engineering (VE) analysis of a project to avoid unnecessary costs while maintaining or improving quality.

Main Duties and Responsibilities:

- Review Design Documents and Identify inadequate structural designs;
- Analyze, Request and Propose alternative design solutions;
- Check conformance to design standards and customer needs;
- Ensure a Design fulfills a specific purpose, remains safe, economic and functioning.

MAY 2015 – NOVEMBER 2015

STRUCTURAL ENGINEER, AT-CON CONSULTING

Performed activities of Design, Supervision and Project Coordination of reinforced concrete buildings and Pre-Engineered (PEB) Steel Superstructures.

Key Project highlights include:

- Mekele Engine Production Factory owned by Ethiopia Power Engineering Industry;
- Wukro Assembly and Part Production Factory owned by Construction Machinery Industry;
- Addis Ababa Flexible Factory owned by Hibret Manufacturing and Machine Building Industry;
- Mekele Non-Ferrous Production Factory owned by Akaki Basic Metals Industry;
- Gypsum Products Factory owned by Lalibela Construction Material Manufacturing.

JUNE 2014 – MAY 2015

COFOUNDER, INFASE SRLS

Startup that helps organizations improve or change their products/services by finding new solutions more in line with their needs and those of their end customers.

DECEMBER 2010 – FEBRUARY 2012

SITE ENGINEER, IC INGEGNERI CONSULENTI

Site Engineer at "Le Albere" (Trento, Italy): 30 thousand square meters of offices and shops, 300 apartments and a new Museum of Science. One of the most important renovation of an urban area ever carried out in the Trentino region by renowned architect Renzo Piano.

EDUCATION

JULY 2012

M.S. STRUCTURAL ENGINEERING, UNIVERSITY OF TRENTO (ITALY)

MAY 2009

M.S. CONSTRUCTION MANAGEMENT, THE UNIVERSITY OF KANSAS (USA)

JANUARY 2006

B.S. CIVIL ENGINEERING, UNIVERSITY OF TRENTO (ITALY)

SKILLS

- SAP2000,
- ETABS,
- SAFE,
- Solidworks,
- MS Project,
- Primavera Professional Project Management,
- Autocad,
- Fluent in: English, Italian, Tigrinya, Amharic

ACTIVITIES

UNISTUDENT (Student Organization for minorities) President, September 2005 -August 2007;
NSBE (National Society of Black Engineers) Senator, September 2008 - May 2009;
EWB (Engineers Without Borders) Expo Representative, September 2008 - May 2009;
ESAi (Ethiopian Students International) Community Affairs Head, September 2007 - August 2008.