



RAHMAN RASULZADA

Senior Electric, Process Automation Engineer & lecturer

SUMMARY

Rahman Rasulzada has over 10 years of project engineering, project management, electric, automation, control and instrumentation engineering, construction management, department management , business development and teaching experience with energy civil and industrial and educational projects.

Graduated from Azerbaijan Technical university with honor diploma in the faculty of Power Engineering. Between 2006-2008 , Rahman worked in “Evim Construction” as an engineer , Sr. Engineer , head of construction department , project coordinator and deputy of project manager.

In 2008 , Rahman got admission from Rice University in Houston Texas , The United State of America. After finishing program , Rahman started to work as Robotics Mentor and ICT Instructor at School of Science and technology in Corpus Christi Texas , United State. As he worked in Corpus Christi Rahman also started graduate program in Texas A&M Kingsville (MS Control system). In 2012 Rahman started his 2nd master degree with SOCAR fellowship program , at Texas A&M College station in the faculty of electrical engineering.

In 2014 , Rahman started to work at SOCAR as process automation and electrical engineer. Since February 2015 Rahman worked as Sr. Electric and Process automation engineer in SOCAR’s Refinery.

EDUCATION

Texas A&M University , College Station, Texas USA	May, 2013
❖ Master of Engineering, <u>EE in Control System</u>	
✓ Overall GPA: 3.54	
Texas A&M University , Kingsville, Texas USA	May, 2011
❖ Master of Science , <u>Mechanical Engineering</u>	
✓ Overall GPA: 4.00	
Rice University , Houston /Texas USA	May, 2010
❖ ESL Program,	
✓ Overall GPA: 3.85	
Azerbaijan Technical University , Baku, Azerbaijan	May, 2008
❖ Bachelor of Science, <u>Power Engineering</u>	
✓ Overall GPA: 3.94	

LANGUAGES

English (fluent), Turkish (fluent), Russian (good) , Azerbaijan (native) ,

WORK HISTORY

SENIOR ELECTRIC & CONTROL SYSTEM ENGINEER

Haydar Aliyev Oil Refinery (HAR)

SOCAR , Azerbaijan

partners; Foster Wheeler ,FLOUR , Honeywell , ABB
Emerson , Yokogawa , Schneider ,

04/2015 - Present

Preparation of Scope of the revamp, including all the electrical and process automation & instrumentation activities.

Sr. Electric engineering role focus on ensuring safe operation, integrity, reliability, adherence to standards, and sustainability of the electrical assets in the area supported. Provide functional leadership, technical support, and strategic planning for a portion of the manufacturing and operating units at the Haydar Aliyev Refinery (HAR).

- Interface with other HAR electrical engineers and inspectors as well as other discipline teams (Foster Wheelers etc), project organizations, operations, contractors, and management. Interface with other discipline engineers from other locations may be required.

Process automation engineering role ; Provide Engineering services and design documentation including: Preparation of Configuration Functional Design Specifications, Consulting with the Safety Instrumented System Engineer to develop control strategies for Basic Process Controls Systems, Implementing new product technologies.

- Working close with potential MAC vendors including ABB , Yokogawa, Emerson , Schneider-Invensyis , Honeywell to find optimal solution for Refinery Project.

- Checking and commenting all the PFD/P&ID's prepared by FEED contractor.

POWER& CONTROL SYSTEM ENGINEER

Oil Gas processing and Petrochemical Complex (OGPC)

SOCAR , Azerbaijan

Foster Wheeler ,FLOUR KBR

04/2014 - Present

SOCAR started the implementation of the construction of the new Oil and Gas Processing and Petrochemical Complex (OGPC). Contracts have been signed with the world-renowned companies as "Technip", "Foster Wheeler", "UOP", "FLUOR", "KBR", "Societe Generale", "PricewaterhouseCoopers", "OMNI", "Clifford Chance" and AECOM.

Responsible for FEED and EPC of the electrical and instrumentation facilities comprising new MV substations fed directly from Thermal Power Plant as well as local power authority national grid, MV Motor/VSD system and auxiliary switchroom / control room complex. Scope included interfacing with the local power authority to define and manage the power supply requirements and agreements.

Provide engineering services as member of Client's project team for additional 300MW power plant, including 1x Frame 9E Gas Turbine, 1x Steam Turbine, 5x frame 6B gas turbine , National Grid connection and tie-ins to existing plant and 3rd Party 400kV interfaces.

Responsible for developing the Basic Engineering Package based on a consolidated listing of the upgraded and additional electrical loads and infrastructure modifications required. Scope included the load monitoring of 15 substations to determine spare capacity. Main Electrical and Automation Contractors MAC/MEC) selection.

TEACHING ASSISTANT (TA) AT TEXAS A&M UNIVERSITY

Texas engineering experiment station (TEES) ,CS Texas United State

2012 - 2013 (1 YEAR)

Texas A&M Engineering Experiment Station (TEES) has served the citizens of Texas through engineering and technology-oriented research and educational collaborations. TEES research has made significant impact on the health, safety and quality of life of Texas citizens and has contributed to the state's economic growth and development. As Project Design Engineer Rahman worked on ; Transfer technology from research and development activities to useful applications , Support interdisciplinary fundamental and applied research , Enhance our educational systems including Engineering Teaching to college students , lab activities , research development etc.

INFORMATION TECHNOLOGY & NETWORK ADMINISTRATOR *partners;* Texas Education Agency (TEA)

Sch. Of Science and Technology

Corpus Christi , Texas .USA

2009 - 2012

Administrated Software Systems in K-12 School District (40 campus) .Directed Control and Maintenance Systems (Access Database , Server) Developed Network Connection , and Wireless Communication ,Built Security Camera and their controls. Assembled Laptops & Desktops to Network.

ROBOTICS ENGINEER/MENTOR

partners; FIRST, BEST ,
MATLAB, LABVIEW

Sch. Of Science and Technology

Corpus Christi , Texas .USA

2009 - 2012

Mentored University and High School Students in Robotics Competitions . Worked extensively with

team members during the build season, designing, building, and fabricating a functional robot for Competition. Developed Engineering Solution to Built Robots. Encouraged Students to involve STEM. Tutored Engineering programs (CAD, Adobe, LabView). Achieved Texas State Honor Engineering Mentor. Won Texas State Robotics Competition Championship.

DEPUTY PROJECT MANAGER

DIA HOLDING, EVIM Construction &
Insulation , Azerbaijan

2007-2008

Deputy Project Manager on the construction of side-underpasses of Bagirov bridge in Baku Azerbaijan. Estimated cost efficiency of materials for construction , Calculated risk management for construction cost , Researched the competitive materials for construction projects. Analyzed new and potential projects on Market for the daily management and implementation of the initiative, coordinating activities between the various groups involved (Communications, Talent Development, Human Resources, Operations, etc), managing the initiative budget and progress reporting. Other activities include chairing regular teleconferences with the network of global champions, management updates and presentations, development and roll out of training workshops and input into new and/or updated practices and guidelines.

CONSTRUCTION SUPERVISION

EVIM Construction & Insulation ,
Bilgah Villas

partners; Baku Flame Towers, Baku
Cultural Center , Baku Azerbaijan Premium Villas

2006-2007

Managed 3 departments ; Construction , Marketing , Sales Directed the completion of all field activities ,Supervised Engineers , Workers , and Subcontractors duties .Motivated and traced the construction engineers and workers
Coordinated engineering teams in Bridge , Construction , and transportation fields .Remodeled engineered solution for construction system insulation

INTERNSHIP

Azerbaijan State Railways

Substations,

2005-2006

Familiarize A railway electrification system supplies electrical energy to railway locomotives and multiple units so that they can operate without having an on-board prime mover. There are several different electrification systems in use throughout the Azerbaijan.

TRAINING, CERTIFICATE AND LICENSE

Training

- Successful Training on Nuclear Energy Safety ,America Nuclear Energy Institute
- Successful Training on Robotics mentoring ,Houston Harris Country
- Successful Training on Introduction to Leadership ,Influence and Organizational Design

Certificate

- Registered Fundamental of Engineering License (FE) , State of Texas
- ESL Certificate of Advanced Reading , Writing and Speaking ,Rice University
- IT Management Certificate , Cosmos Foundation
- ABB “Functional Safety Management ”
- ABB “Alarm Management”

License

- Texas and Maryland Driving License “C”
- Azerbaijan Driving License “BC”

VOLUNTEER EXPERIENCE

Robotics Mentor at Texas FIRST Robotics
September 2009 - May 2013 (3 years 9 months)

PUBLICATIONS

RoboPander

National Science Foundation March 11, 2012

Authors: Rahman Rasulzada, Ph.D Muhittin Yilmaz

Research Paper to National Science Foundation (NSF). (For upon request Publication can be provided)

PATENTS

HumCar

United States Patent Application 2518790

Inventors: Rahman Rasulzada, Resmen Hacıyev

Detailed Description Of Invention:

HumCar utilizes human energy to move and charge a small vehicle. The invention consists of a bio-engine, which is placed in the engine section of an automobile. Also installed is a generator with the power capacity of 220 volts. The generator may be placed over the speed box of the bio-engine. This is combined with the outlet axis and belt. There are also lithium-ionic batteries in the box, especially made in the baggage of the automobile and linked to one another in consecutive order by means of a cable. The pedals may be placed under the feet of a driver in the hall. The driver may bring into action the flywheel in the gearbox at any time. The action of the flywheel is transmitted to the gearbox and the generator installed on the gearbox rotates it at the required speed. As a result, the power of 220 volts is gained. After the power made is transmitted to the increasing transformer, it is conducted to the engines. During the direct use of power made through the generator, the batteries are separated from the system and their fill is provided. During the use of the batteries, the action of the generator is stopped. The exact specifications may vary.

(For upon request official documents can be provided)