

RV ENGINEERING SAGL

Your Engineering Services Company

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Company Profile



RV Engineering with a deep experience in **electrical and instrumentation engineering** and design services is active in industrial business specially in the Oil&Gas and Power Generation markets. It is able to support the client with a wide range of high value services in the different phases of the project, from conceptual design up to project execution phase. RV Engineering consists of a team of professionals with sound experience and qualified to take responsibility in their job and able to manage standard engineering activity as well as custom-made solutions with high quality and customer satisfaction always guaranteed in every situation. RV Engineering is organized and able to work in wider groups organized as Task Force, fully integrating with other disciplines, in order to achieve large multidisciplinary engineering projects.

Furthermore RV Engineering provides reliable knowledge and resources during **Inspections and test** activity. Qualification process is ongoing for obtain registered inspectors for electrical and instrumentation items for main contractors and customers.

Organization



RV Engineering has a powerful sense of purpose and it is organized and able to work in a way to satisfy all the client needs. We can manage autonomously a package of engineering activity and take part in engineering progress meetings on regularly basis and whenever it is requested, as well as we can join wider project groups organized as Task Force, fully integrating with other disciplines, in order to achieve large multidisciplinary engineering projects.

Moreover we can provide the client, with short reporting lines, dedicated expertise for specific activity using appropriate tools and customized solutions conjugating Information Technologies with engineering and design.

RV Engineering can support the client during test activity (factory and site test) with adequate tools and equipment for electrical and instrumentation, in order to operate in complete safely and autonomously manner.

Services



Instrumentation & Control - RV Engineering knows how to improve reliability and safety of the plant.

Electrical - RV Engineering is able to analyse the system and design a reliable and safe electrical network.



Inspection.

RV Engineering can provide expediting and inspection services in a timely manner.

Agency - RV engineering shortens the distance between customer and supplier.



Electrical Engineering



Study of designing and building electrical systems, especially those involving power and control machines, requires a big variety of expertise like no other field of engineering.

RV engineering has a consolidated experience and know-how able to manage project in a wide range of industrial fields such as Power Generation, Oil & Gas, Chemical and heavy industries. We can support the client over the life cycle of the project, with solid knowledge of design of electrical network and all electrical apparatus (HV and LV equipment, generator and motor).

Our team is used to work complying with international standards like IEC, IEEE, ANSI, UL, NEMA, NEC, BS, EN ISO and PUE.

Activities:

- Design of Extra-High, High, Medium and Low Voltage Systems
- Electrical Network Calculation Studies (ETAP)
- Lists and database (Loads, Cables, Motors)
- Single Line Diagrams
- Protection & Metering Diagrams
- Technical Specifications and Data Sheets for Electrical Equipment
- Uninterruptible Systems (AC and DC)
- Electrical Management System
- Schematic and Logic Diagrams
- Technical Bids Evaluation
- Follow-up of Vendor Documents
- Budgeting for electrical scope and materials

Instrumentation Engineering



RV Engineering has the ability to work out this discipline involving other specialties like process, piping and automation. Our professionals have several years of experience in the most diversified fields of application, considering the most stringent and harshest environment applications.

We can design instrumentation and safety systems in close contact with other disciplines considering the client guidelines and standards as well as providing our contribution in terms of reliability, operability and safety of the people and the plant.

Our professionals have several certifications attesting their knowledge of particular issues related to Safety Instrumented System and how to resolve them, supporting the client along all stages of the project with a comprehensive optimization. Most up to date software aids are used in every engineering and design activity with a close eye to the applicable international standards and safety requirements and regulations.

Activities:

- PFD and P&ID integration
- Process and safety risk analysis
- Safety Integrity Level (SIL) Assignment
- SIS Design
- PCS, Emergency and F&G Systems Design and Control Philosophy
- Specification and Data Sheet for Instruments and Valves
- Instrument list and I/O list
- Wiring, loop and logic diagrams
- Telecommunication design
- Technical Bid Evaluation and Follow-up of Vendor Documents
- Budgeting for instrument items and materials

Expediting & Inspection Services



The Inspection Company is an independent 3rd Party Service Provider with the aim to lower the risk for clients in one of the most sensitive phase of the life project.

RV Engineering has technical skills and knowledge to witness different kind of inspections and test related to electrical and instrumentation items in full compliance with the international standards and client requirements. In order to enhance our reputability we are going to be qualified as registered inspectors for specific items for main contractors and customers.

Activities:

- Vendor List implementation
- Supplier factory qualification procedure
- Functional procedure and specification
- Functional test
- Instrument calibration
- Pre-inspection Meeting (PIM)
- FAT attendance
- Expediting visits to vendors

Agency Service



With the aim of an ambitious Company, we are incessantly looking for new opportunities and ways to improve our business. In order to involve equipment manufacturers around the world in our kind of business, we will be pleased to introduce new valid partners to our customers as good suppliers for the most ambitious projects.

We can also carry out the process of supplier qualification at significant sector companies.