



**VANGARD PROJECTS**  
PROCESS CONTROL SOLUTIONS

This module Includes the following services:

- Turnkey solutions
- Project design and engineering
- Electrical control panels design
- Project management
- Professional consulting services
- System integration

**ENGINEERING AND  
CONSULTING SERVICES**

# ENGINEERING AND CONSULTING SERVICES

Vanguard Projects provides a wide range of engineering and consulting service solutions including:

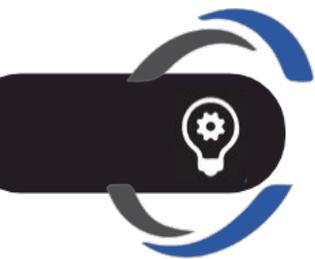
## Turnkey solutions:

1. It is developed by a team of experts, who design and develop a feasible solution based on their high levels of competence and experience in the field.
2. The turnkey solution meets the standards and requirements set by the organization that commissions it or requires the service.
3. By the time the turnkey solution is complete, it is deemed to be completely aligned to the organizational needs and project requirements, all bases are covered and every element of the solution has been rigorously tested and interrogated. Activating it is as simple as turning a key in the ignition of a car.

## Project Design:

The first step toward a successful project is to design it. A project design is a method of organising ideas, materials, and processes in order to achieve a specific goal. Project managers rely on smart design to avoid mistakes and offer parameters to keep key components of the project, such as the project timeline and budget, on track.

Some people make the mistake of rushing through the basic stages of a project, such as a project design. Any seasoned project manager will tell you that the more effort you put into the front-end of a project, the better the backend results will be.



## Did you know?

Our complete range of industrial, tailor-made control solutions and services is based on different application parameters and measurement principles. This allows you to adapt optimally to every challenge and environment. Ensuring your success is our mission.



## Electrical Control panel design

Any evolution within control panel design and manufacturing will result in a follow-on evolution within production facilities, therefore benefiting not only panel builders, but the end users or machine builders.

If panel design, panel manufacturing processes and human interaction with panels can be innovated by way of new products, wiring techniques and technologies, then control panel manufacturing becomes simpler and makes a huge leap forward in terms of efficiency. Starting with our shared Value Design for Panel \*1 concept for control panel product specification, we look to offer control panel evolution and process innovation for our customers.

## Project Management:

Project management is the application of processes, methods, skills, knowledge and experience to achieve specific project objectives according to the project acceptance criteria within agreed parameters. Project management has final deliverables that are constrained to a finite timescale and budget.

## Professional Consulting:

Professional consulting is the process in which the experts provide advice and suggestions to businesses and individuals regarding specific problems or field of work. The advice is meaningful and effective since it helps organizations to achieve their targets and also to overcome the business issues in the long run. There are some advantages and disadvantages of hiring professional consultants but the advantages are greater compared to disadvantages, and therefore, it is recommended that businesses should take help from such experts.

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### System integration:

In very broad terms, system integration is the process of connecting different sub-systems (components) into a single larger system that functions as one. With regards to software solutions, system integration is typically defined as the process of linking together various IT systems, services and/or software to enable all of them to work functionally together.

The main reason for organizations to use system integration is their need to improve productivity and quality of their operations. The goal is to get the organizations various IT systems to “talk to each other” through the integration, to speed up information flows and reduce operational costs for the organization. But system integration is not used only to connect an organization’s internal systems, but also third parties that the organization operates with.



**Our values are as simple as  
"We do what we say".**



**VANGARD PROJECTS**  
PROCESS CONTROL SOLUTIONS

### Vanguard Projects Philosophy

“The product and service philosophy of Vanguard Projects is simple. We supply solutions based on easy to use and commercially available products. Our commitment is to growth, based on product sourcing, research and innovation.”



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