
INDUSTRIAL AUTOMATION | POWER GENERATION

ABB Installation Engineering

Partnering with you for your project installation and construction requirements



ABB offers a flexible portfolio of installation support and comprehensive construction solutions. This ranges from a basic support solution, to a total Installation Service option to reduce burden on the engineering and outage management resources, as well as removing the associated risk.

Markets served

- Power Generation
- Gas and Oil Fired Package Boiler Control
- Biomass
- Water Treatment

Basic installation services

- Termination lists
- Power cable schedules
- Updating of existing or new power distribution drawings and optional isolation transformers
- Communication cable schedules and/or drawings
- Demo and construction drawings

Supplementary services

- Project site audit
- Field verification of existing wiring connections per existing field drawings
- Termination drawings
- Updating and/or creating loop drawings
- Updating field drawings referencing the termination drawings. This includes all electrical wiring diagrams to junction boxes, field devices, MCC, Switchgear, etc.
- Updating control room, equipment room and plan view layout drawings.
- Updating existing panel modifications and/or create new junction boxes drawings
- Updating existing Main Control Board and/or updating existing local control panel drawings
- Updating existing electrical schematics
- Updating existing conduit and cable tray drawings
- "As-Installed" drawings and cable list

Instrumentation services

For existing or new field instrumentation, ABB Installation Engineering can provide application and engineering assistance with specification information and data sheets for making good decisions on field replacements or for new installations. This may include:

- Procurement services for any replacement or new instrumentation
- Instrument mounting detail drawings
- Updating existing or new instrument location drawings
- Updating existing P&ID drawings within the ABB construction scope
- O&M manuals
- Site construction picture book with descriptions of the demolition and installation requirements for new devices and hardware
- Provide instrumentation replacement or upgrade assistance

If additional design requirements are needed, please identify them for review and consultation.

Electrical/ mechanical services

ABB can also provide optional pricing for the electrical and mechanical construction contractor work. ABB will work with you to determine if you want to use an electrical/mechanical subcontractor, or if you want to use your own in-house electricians and technicians, or a combination of both. There is also an option if you prefer to directly hire the subcontractor. For any of the options mentioned above, ABB can develop the complete subcontractor scope of work document in order to solicit construction bids from ABB approved or customer preferred subcontractors. The ABB subcontractor selection is based on the company being able to pass an ABB safety evaluation, ability to complete the work per the schedule, and financial stability.

In summary, your ABB team has resources with the technical knowledge and experience needed to provide a single point of contact for your project. ABB resources know what is required to meet future goals and know how to deliver it.



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