



TOTALLY INTEGRATED POWER

Checklist for the Review of the project situation

Description of influencing factors and characteristics at project start

Type of building use

e.g. office, school, hotel, multi-purpose, etc.:

Operator concept

Is the owner/developer also the user of the real estate?

Targets of the operator regarding tenancy, variability and period?

Optimized cost of investment and operation
(building energy performance, EnEV, etc.):

Level of building installations, equipment

premium:

medium:

standard:

Cost frame

Scheduled budget:

Financing schemes/operator concepts:

Dimensions

Building area: m²

Building height: m

Average floor height: m

Number of floors:

Car park, access ways:

Building use

Uniform use (e.g. offices):

Different use (e.g. shop, garage, office):

Limitations

Defined locations (for cable routing):

Maximum dimensions/weights for moving in system parts (observe transportation routes):

Specifications for emergency diesel unit (exhaust air, fuel-tank room):

Energy passport

Facade design (let-through values):

Room control functions (lighting, shutters and blinds):

Lighting (light design):

Safety requirements

Power supply:

Fire areas:

EMC:

Video surveillance:

Fire alarm system:

Access control:

Time recording:

Security system:

Safety-relevant system parts

Depending on the building use:

Lifts:

Safety lighting for workplaces:

Central batteries for safety lighting of meeting areas:

Sprinkler system / booster pumps:

Lifting systems for sewage water draining:

Smoke and heat vents:

Communications centers:

Electro-acoustic centers (ELA):

Components of the video surveillance / security system:

Secondary pipe heating for sprinkler pipes in cold area:

Life-supporting systems:

Technical requirements from the user

Reliability of supply:

Quality of supply:

Availability:

Redundancy:

Active "hot" redundancy

Passive "cold" redundancy

Homogeneous redundancy

Diverse redundancy

Variability of the electricity supply:

Expandability:

Layout requests power management:

Control system (visualization of systems, messages, control/commands):

Level of building installations, equipment and furnishing (low, high ...):

Comfort

Installation bus for lighting, shutters and blind:

Room monitoring:

Central building control system:

Communication:

Power supply agreed upon with power supply network operator?

Medium-/low-voltage supply:

Power demand claimed:

Interfacing to existing technologies:

Time schedule

Date of building completion:

Date of completion for planning documents:

Time slot for moving in certain parts of the installation, because otherwise the area would no longer be accessible (e.g. lifting in the transformer with a crane):



By filling in the list, you have gained an overview of the project. Do you require more detailed information, e.g. about concept development or budget estimation?

Contact your responsible TIP partner using the data of your checklist:
[siemens.com/tip/contact](https://www.siemens.com/tip/contact)

Totally Integrated Power assist electrical planners in the different planning phases: with software tools, Revit files for Building Information Modeling (BIM), tender specification texts, planning and application manuals, as well with professional advice and trainings performed by technical experts in many countries: **[siemens.com/tip](https://www.siemens.com/tip)**