

## Installation Considerations

### Think of Service when Specifying Genset Installations

Gensets and electrical control equipment do not generate revenue and often do not get the space considerations required to ensure a proper installation in a building. An architect's focus is, quite understandably, on usable space.

It's a tough act to balance genset space needs with other building service functions. But if you keep routine maintenance, future equipment repair needs and expansion considerations in mind, you will be able to provide an installation that allows the genset to perform efficiently and reliably for years to come. Here are some other considerations:

### The Generator Room

Look down the road to the day extensive genset repairs may be needed. Even the most reliable genset, after thousands of hours of operation, will need some internal work. Will there be enough room for engine or generator disassembly? Can the unit be removed without major building alteration? A chain hoist or overhead crane may be a good addition to the room's design for these heavy chores.

### Genset Support Systems

Does your room design consider how add-ons such as cogeneration equipment or remote cooling systems may obstruct service of components? A remote radiator with properly routed plumbing can significantly simplify engine service and disassembly. Strategic placement of auxiliary tanks can make service checkpoints easy to find and maintenance quick to complete.

As Environmental Protection Agency (EPA) regulations tighten on underground fuel tanks, consider requirements aimed at making fuel tanks leakproof. Above-ground diesel storage tanks or other fuels (natural gas or propane) are viable alternatives.

Look at how your genset installation gets its air. It needs a clean, relatively cool and plentiful supply. Massive ducting should be routed with as few bends as possible, and not interfere with service sites on the genset.

### Controls

Power demand will likely grow long after clients have moved into the building, so the need for more electrical service is inevitable. Does your plan allow for such growth? Remote genset switchgear is one option that can open up space in crowded installations.

### We're here to help!

Nobody is more motivated for you to have a successful installation than Cashman Power Solutions is. It saves everyone time, money, and construction delays when these issues are addressed up front. Please call us to help you lay your system out.

