



Generators

Motor GENERATORS OBSOLETE

Generator sets are a technology that date back to the 1940's when AC power began to spread throughout major metropolitan areas. For buildings to keep up with the changing landscape of electrification, the industry developed controllers using motor generators to provide power to the elevators by converting AC to DC power for operation. New DC products were popular into the 80's when Fujitec began installing Variable Voltage (VV) and Variable Voltage Variable Frequency (VVVF). Looking forward, Fujitec developed a "tighter" speed profile AC motor, like that of the DC motor.

BASIC INFO

Standard product in the 40's, 50's, 60's, 70's and 80's



CONSIDER THIS

- Increased downtime
- Generates Carbon dust
- Loud/noisy operation
- Uses AC to provide DC
- Less reliable than Solid State drives



LET'S TALK

- No longer installed
- Must be re-built
- Massive energy consumer
- Long down-times for repair



RECOMMENDATIONS & CAPITAL PLANNING

1

Rebuild Current System:

Overhaul commutator, Stator/Armature, Replace Sleeve Bearings, Replace varnish insulation for Vacuum-Pressure Impregnation (VPI). Additional costs include hoisting/rigging into and out of building. Did we mention downtime?

2

Discuss Modernization Options:

Consult with your Fujitec Associate to survey equipment and provide solutions and cost to update your building. This investment will increase tenant satisfaction and improve desirability for the next 20 years.