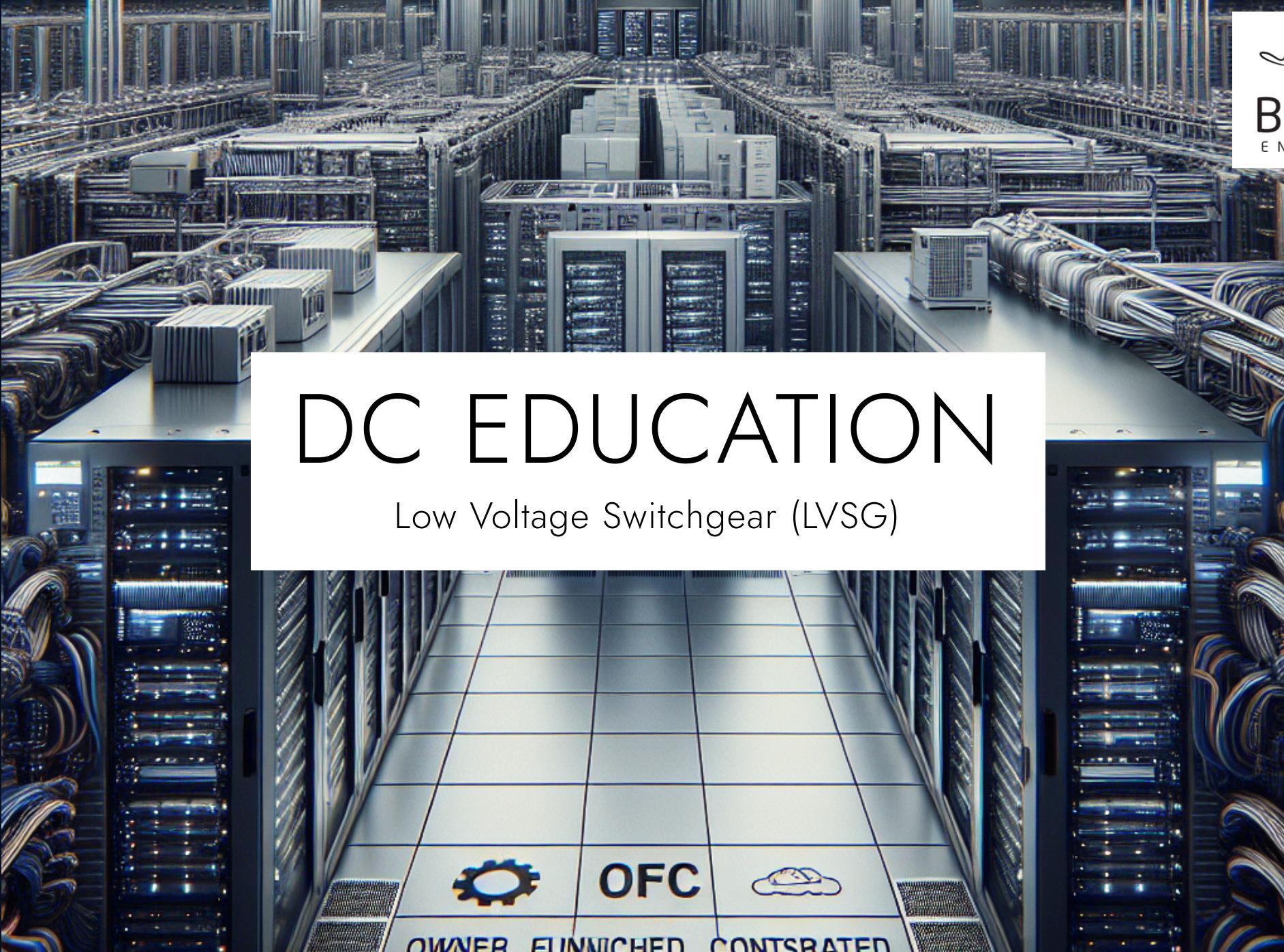


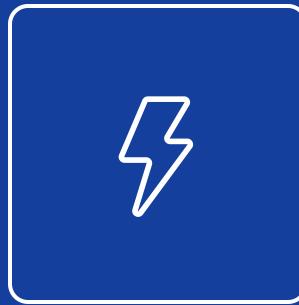
DC EDUCATION

Low Voltage Switchgear (LVSG)

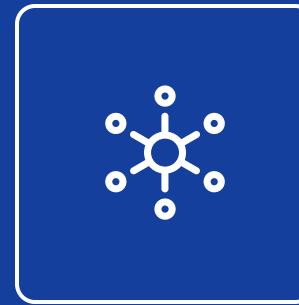


LOW VOLTAGE SWITCHGEAR (LVSG)

WHAT IS IT?



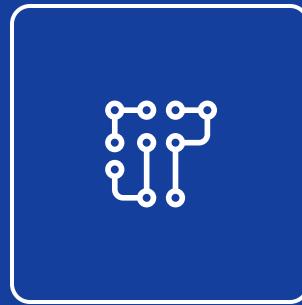
Equipment containing Circuit
Breakers and busbar



Main hub of distribution for LV
power

LOW VOLTAGE SWITCHGEAR (LVSG)

WHY IS SWITCHGEAR USED?



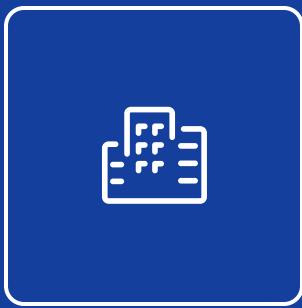
Way of connecting DC equipment to
LV power supply



Circuit breakers protect equipment
and cables

LOW VOLTAGE SWITCHGEAR (LVSG)

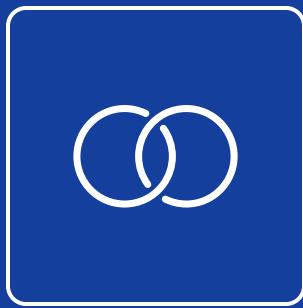
WHERE IS SWITCHGEAR INSTALLED?



Close to or inside
Data Centre



Usually in dedicated
switchgear room



Adjacent to MV to LV
transformer

LOW VOLTAGE SWITCHGEAR (LVSG)

WHO INSTALLS?



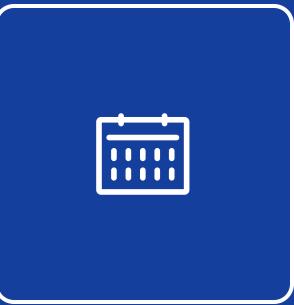
Switchgear vendor responsible for installation and testing of equipment



Equipment can be bought by either Owner (OFCI) or GC (CFCI)

LOW VOLTAGE SWITCHGEAR (LVSG)

WHEN IS IT INSTALLED?



Should be delivered as early as possible
and practical



Commissioning of all downstream
equipment is dependent on LVSG