

DC EDUCATION

Ring Main Unit (RMU)



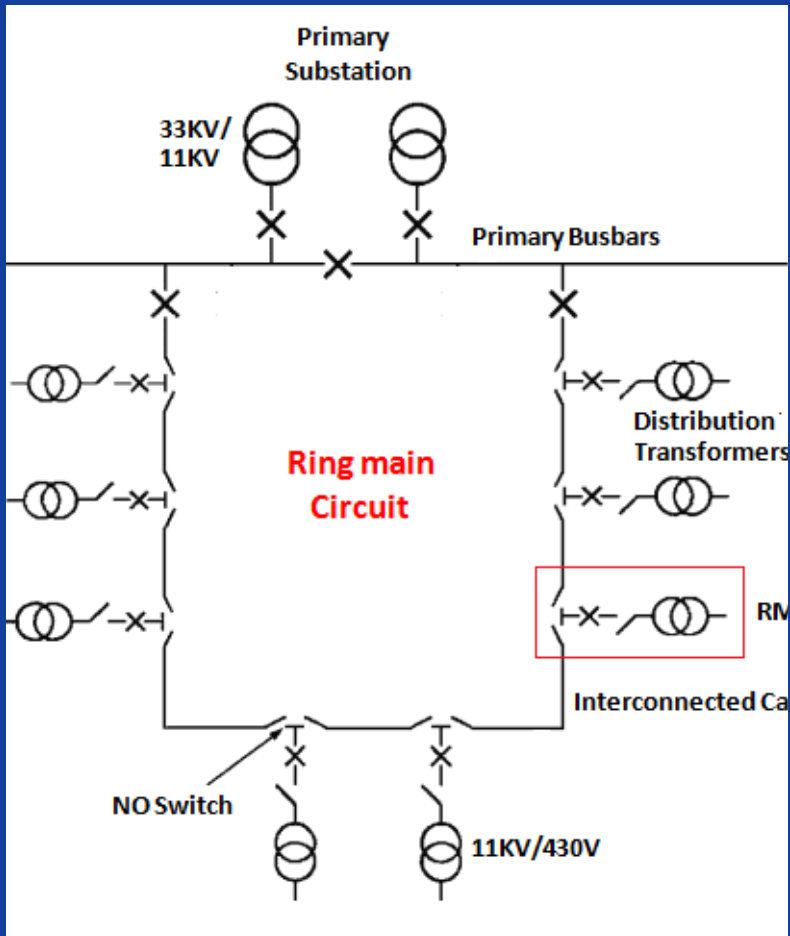
OFC



OWNER FLUNNCHED CONTRSBRATED

RING MAIN UNIT

WHAT IS IT?



MV Power is distributed in a loop or "ring"



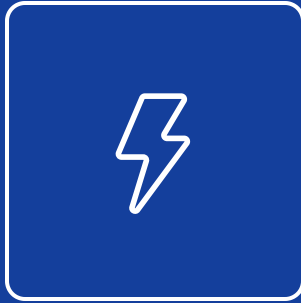
Power available to equipment from 2 "sides" via an RMU



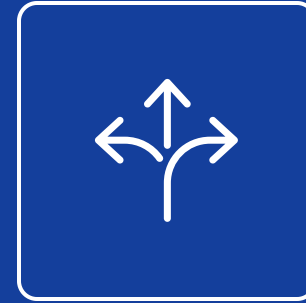
Switchgear that has two inputs and can switch which input goes to output

RING MAIN UNIT

WHY ARE RMUS USED?



If fault in one part of
system power can flow
from other side



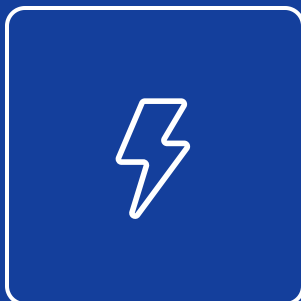
Adds redundancy



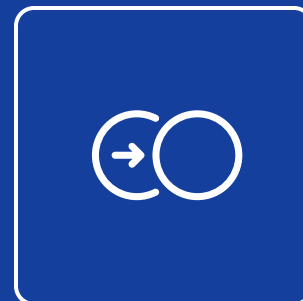
Reduces outages

RING MAIN UNIT

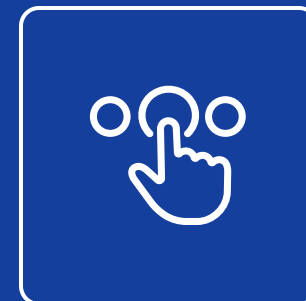
WHERE ARE RMUS INSTALLED?



After MV Switchgear



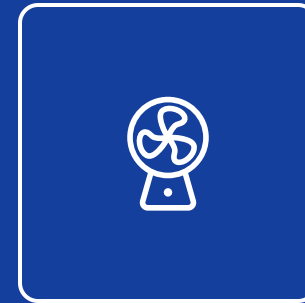
Before MV to LV
transformers



Not universal to every
DC design

RING MAIN UNIT

WHO INSTALLS?



Can be installed by MV contractor or
MVSG vendor

Usually OFCI

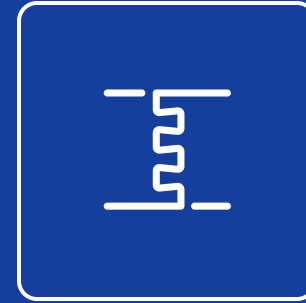
RING MAIN UNIT

WHEN ARE THEY INSTALLED?



Early in construction

Coordination required between MV contractor and
MEP contractor



Needs to connect to MV Switchgear via
MV cable