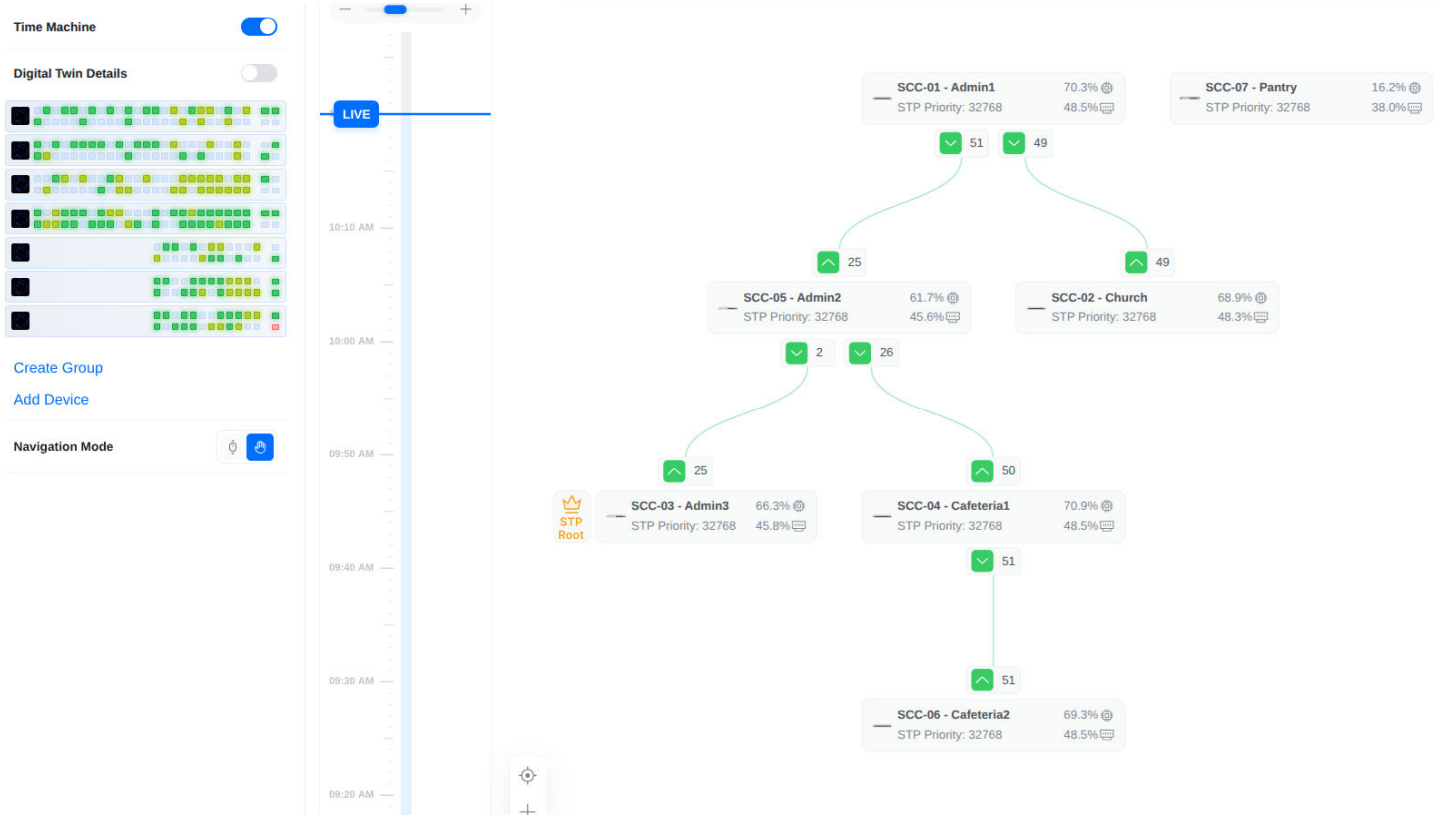
Current Topology



Current switches are a combination of Unifi US 48 PoE 500W and US 24 PoE 250W.
WAPs are as follows:

name	model
Outdoor Garage AP	MR84
SC-Church-Sanctuary	MR86
SC-MDF	MR36
SC-Church-Basement	MR36
Pantry AP	MR44
SC-Admin-Hall1-Mid	MR44
SC-Admin-Hall1-West	MR44
SC-Admin-Hall2-East	MR44
SC-Admin-Hall2-West	MR44
SC-Admin-Hall1-East	MR44
SC-School-S005	MR44
SC-School-S009	MR28
SC-School-S106	MR28
SC-School-S105	MR28
SC-School-S101	MR28
SC-School-S110	MR28

SC-School-S004	MR28
SC-School-S102	MR28
SC-School-S107	MR28
SC-School-S109	MR28
SC-School-S003	MR28
SC-School-S108	MR28
SC-School-S012	MR28
SC-School-S010	MR28
SC-School-S011	MR28
SC-School-Kitchen	MR36
SC-Church Basement	MR36
SC-School-Cafeteria	MR36

MDF and IDFs are high quality racks. All device connections are to patch panel RJ45 sockets and then short as possible jumpers from each patch panel port to a switch port.

MDF rack includes Comcast fiber incoming rack, patch panels, switches and other unrelated equipment (e.g. school intercom, Milestone video server).

All cabling is CAT 5E or 6.

New Equipment Needed:

Admin MDF
3 48 POE+ port switches -
Fiber from Comcast (need SPFs only)
Fiber to church (need SPFs only)
Fiber to school (need SPFs only)
Copper between switches

Cafeteria (school) IDF
2 48 port POE+ switches
Fiber from MDF (need SPFs only)
Copper between 2 switches

Church IDF
1 48 port POE+ switch
Fiber from MDF (need SPFs only)

Pantry IDF
1 24 port PEO+ switch

WAPs
26 Indoor (classrooms and offices)
2 outdoor high power
All POE+

Services Needed

Physical installation of equipment

Network configuration including 2-4 SSIDs and 2 VLANs