

LeanDA - Entity Ralationship Diagram

Shift	
PK	<u>id</u>
*shiftType (string, enum: [FS, SS, NS]) startTime (date) stopTime (date) workStation (ref. WorkStation) *daysOfWeek (number, enum:[0,1,2,3,4,5,6]) durationMin (virtual function) timestamps	

WorkStationGroup	
PK	<u>id</u>
*name (string, unique) *kostenstelle (string, unique) slug (string) workstations([ref. workstation]) timestamps	

Picture	
PK	<u>id</u>
*title (string, unique) slug (string) description (string) *imagePath(string) timestamps	

WorkStation	
PK	<u>id</u>
*name (string, unique) *WS_num (string, unique) slug (string) workStationType (string, enum: [TF, HT], def: TF) inUse (boolean, def: true) unlocked (boolean, def: true) shifts ([ref. Shift]) AVOs ([ref. AVO]) states ([ref.state]) workStationGroup (ref. WorkStationGroup) liveState (virtual function) picture (ref. Picture) timestamps	

PLC	
PK	<u>id</u>
*name (string) slug (string) description (string) inputs ([ref. PLCinput]) outputs ([ref. PLCoutput]) WS (ref. WorkStation)	

PLCinput	
PK	<u>id</u>
*name (string) *signal (string, enum [analog, digital, relay]) PLC (ref. PLC)	

PLCoutput	
PK	<u>id</u>
*name (string) *signal (string, enum [analog, digital, relay]) PLC (ref. PLC)	

AVO	
PK	<u>id</u>
*AVO_num (string) sequences ([ref. Sequence]) WS (ref. WorkStation) liveState (virtual function) timestamps	

Sequence	
PK	<u>id</u>
startTS (date) stopTS (date) AVO (ref. AVO) state (ref. State) durationMin (virtual function)	

State	
PK	<u>id</u>
*name (string, unique) inUse (boolean, default: true) stateGroup (ref. stateGroup) workstations ([ref.workstation])	

StateGroup	
PK	<u>id</u>
*name (string, unique) slug (string) states([ref. state]) timestamps	

