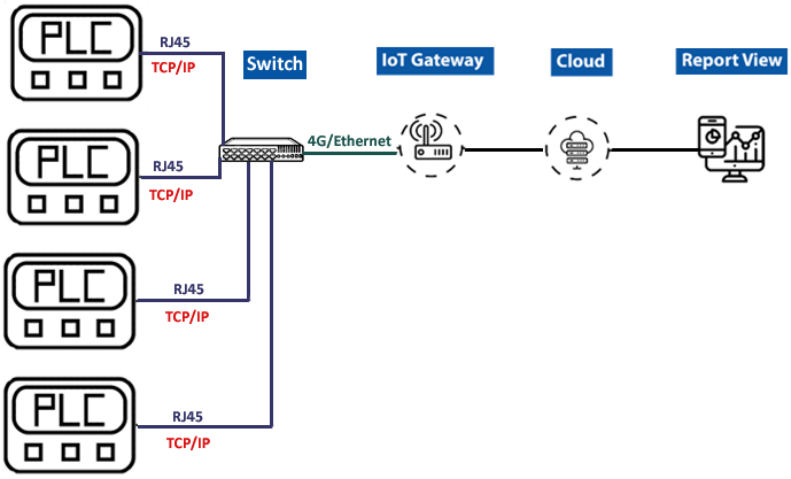
Use case	Production Monitoring		
Client:	Mando Automotive India Pvt Ltd	Service provider:	Arka Automaations Ltd
Created by:		Last update by:	
Date created:		Last revision date:	
Description/Goal:	*Live Production monitoring of the different parts manufactured and in a shift of each day*		
Actors:	Mando Automotive India / Arka Automaations		
Preconditions:	• The production count of each shift are got from the PLC are being posted in the Shift WhatsApp Group by the Shift Supervisor • As the readings are taken by a person human error is significant. • From recording the data to analyzing the data, the entire process is time consuming. • Decision making on production is delayed due to this process. • Difficult to pinpoint the downtime of the production line. • Production Manager is not able to get the Live data.		
Postconditions:	• Production count of each production line from the Mitsubishi Q Series PLC is read by the data logger are being posted in the Cloud Server • Data is acquired every 20 sec • Web based and Android Application is developed in order to view the Live Data of production Line • Thus, providing live data to the Production Manager remotely, which enhances his decision making and monitoring of the production as per the schedule.		
Flow:			

Alternative Flows:	*NA*
Exceptions:	*About 10 Exceptions*
Requirements	• ALL the PLC to be in the same IP address range, else • To have the required managed switch to provide the VLAN services, which must be studied in detail