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Problem Statement

- Downtime reporting is a very manual process
- Signify needs an automated reporting tool to aggregate the data

Data Access

- Signify uses an auto-report generator through VERSA Call, this is sent automatically to an email inbox daily in an excel format
- To bridge the gap between the email inbox and Power BI we utilized the Microsoft Exchange functionality of Power BI and imported the email inbox into Power BI

Project Objectives

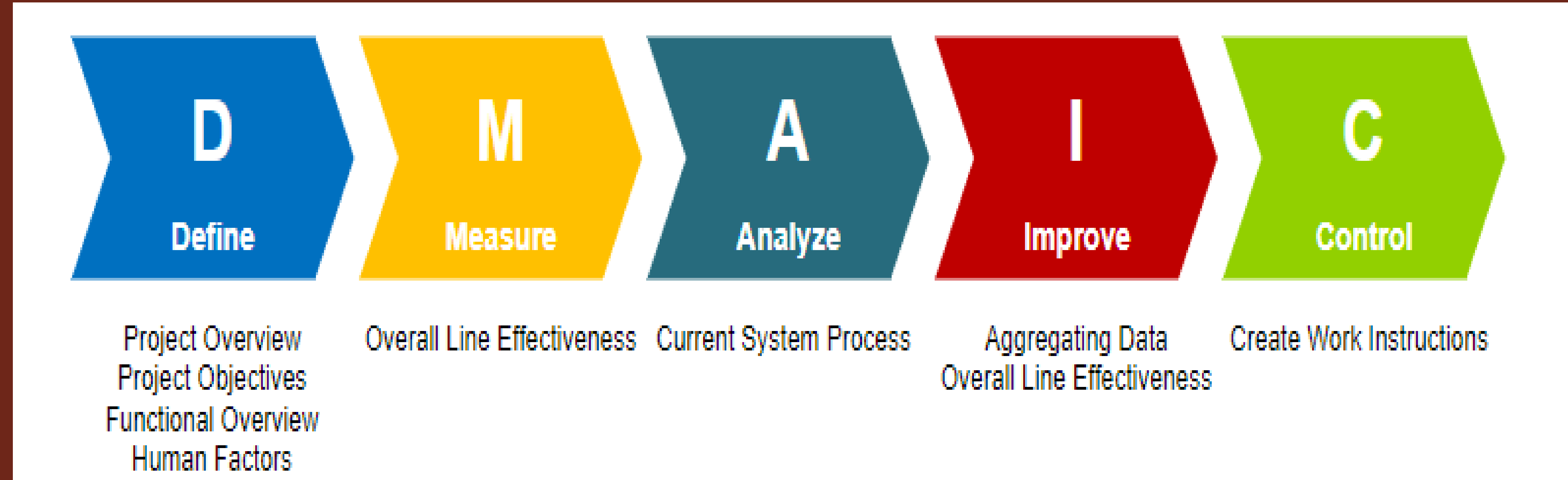
Create	Create a useable downtime report to enable downtime analysis driving data driven improvements
Make	Make the reporting analysis and countermeasure implementation part of the MCRS process
Link	Link the downtime report outcome to the Kaizen database
Generate	Generate work instructions of the system for trouble shooting and accessibility
Increase	Increase plant OLE (overall line effectiveness) by 10%

Team Members



| Andrew | Kameron | Paul |

Design Approach



Human Factors

- Informative tool for quick decision making
- Alleviate time consuming manual calculations
- Utilizing the principles of Top-Down and Bottom-Up processing the dashboard is laid out in a way that facilitates analyzing the data presented very quickly

Measure

- **Manual Assembly OLE % = (A x P x Q) x100%**
- **Availability (A)** = Operating Time/Planned Loading Time
- **Performance (P)** = EarnHrs/Hrs Available
- **Assembly Quality (Q)** = Total good parts produced RFT*/Total parts produced
- RFT = right the first time

Improve

Workstation	Sum of Duration (hr)	Category
3020	0.00	Equipment
3030	0.00	Equipment
3040	1.91	Deliveries
3040	3.34	Engineering
3040	1.94	Equipment
3045	1.30	Equipment
3050	0.14	Deliveries
3050	0.28	Engineering
3050	0.01	Equipment
3095	2.55	Deliveries
3095	0.70	Quality
3110	15.92	Deliveries
3110	0.60	Engineering
3110	0.39	Quality
Total	29.09	

Open Browser

You are about to navigate to: <http://stage.lightingkaizen.com/>

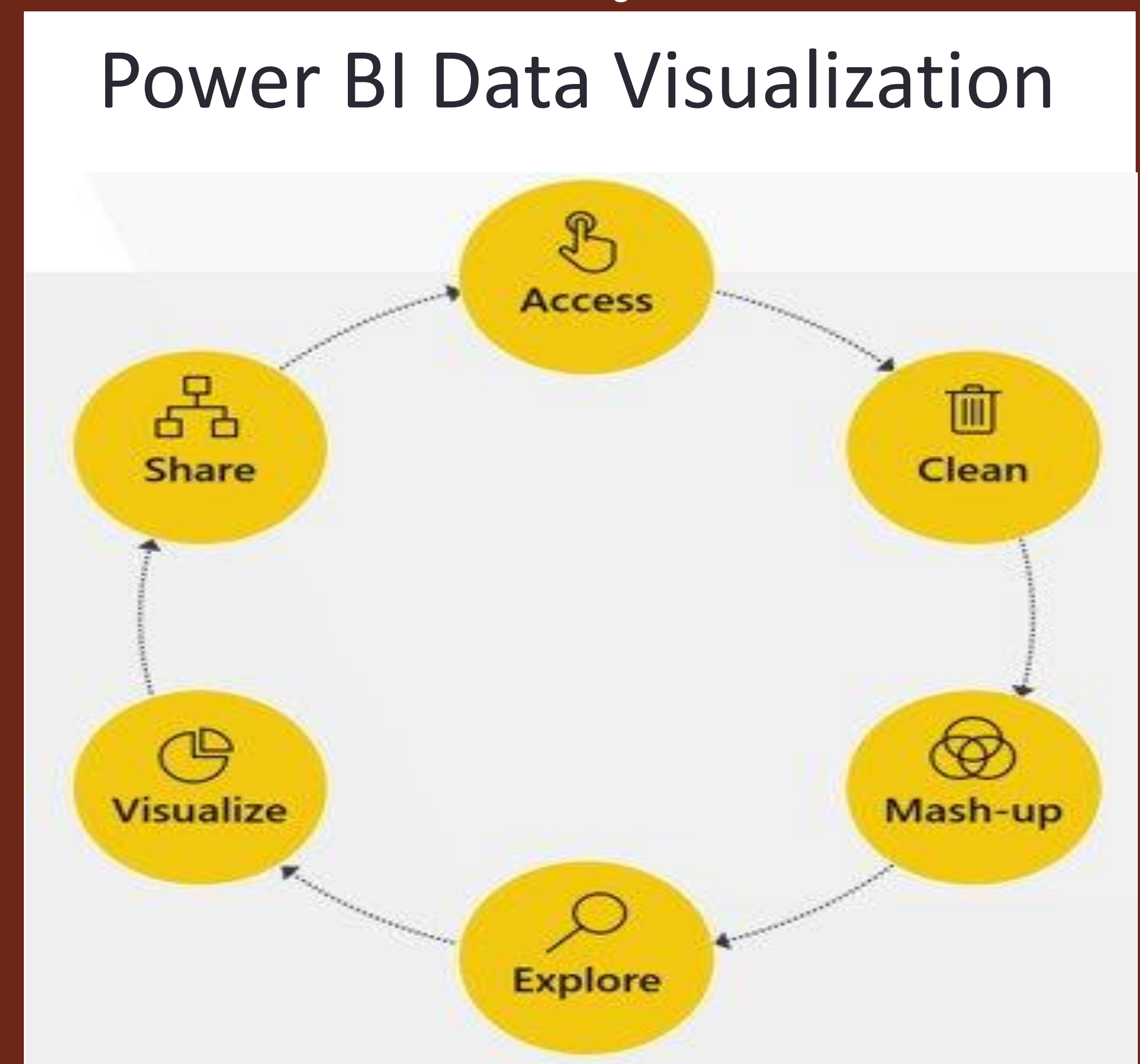
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Start date: 9/6/2022 to 9/8/2022

Year: 2022

Quarter: 3

Analyze



Special Thanks

To our sponsors Sarah Chowdhury and Jeremy Burns, and our instructor Dr. Michelle Londa