Challenge

## Use Case

### **ESG** Monitoring

With

Digital Factory Operating System (DFOS<sup>TM</sup>)





#### Limited visibility of trends or benchmarking

Organizations cannot readily access and examine trends and ESG goals, making it difficult to benchmark internally and against their peers.



#### **Uncertainty in Data correctness**

Assurance to correctness of data captured through conventional systems is not evident.



#### Scrambling for missing data every year

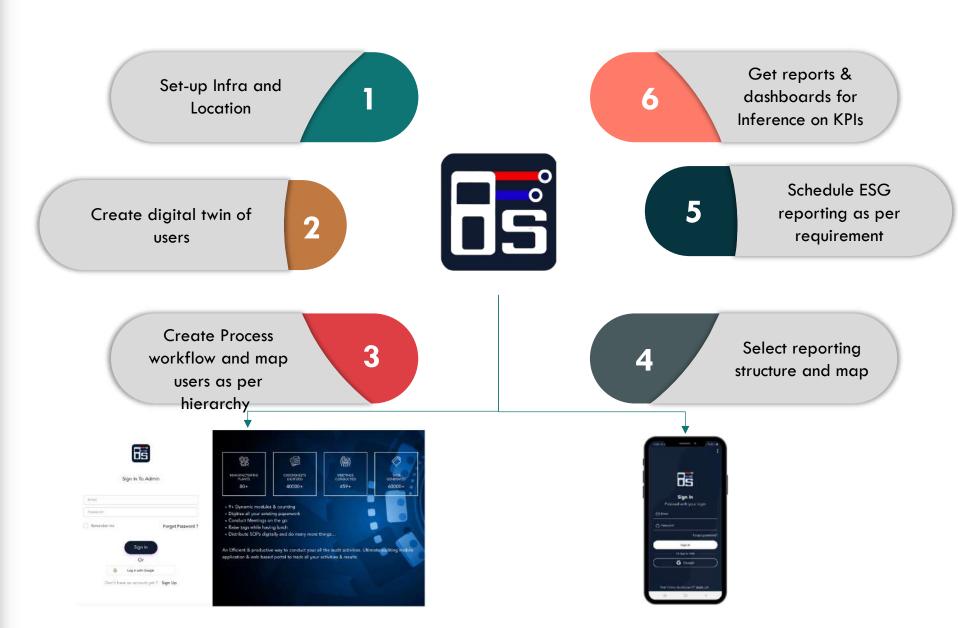
There's always a last-minute rush to track and trace the historical data.



#### Constant changes in disclosure requirements

Issues encountered during manual ESG reporting system will keep repeating every time due to constantly update of disclosure requirements.









Interactive dashboard for all Sustainability related KPIs like **Water, Energy, GHG, Waste Disposal, Safety, HR**Related with Trends.

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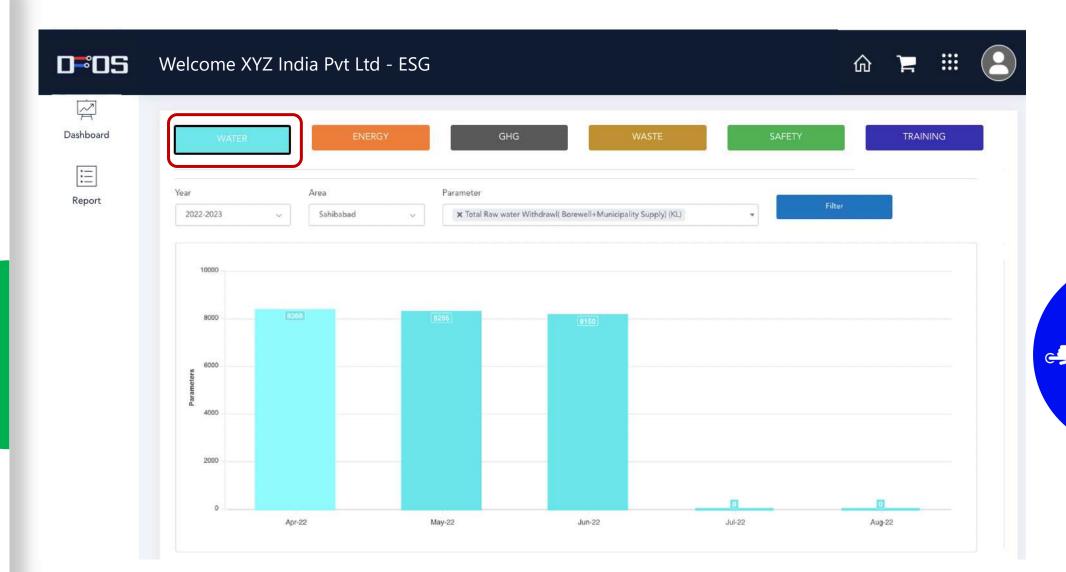
Wireframes

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**Location wise Trend** 



**Monthwise wise Trend** 



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Challenge

Energy Intensity, Generation through Renewable and non-renewable resources





Report

Results



Wireframes

Solution Challenge

https:/

Wireframes



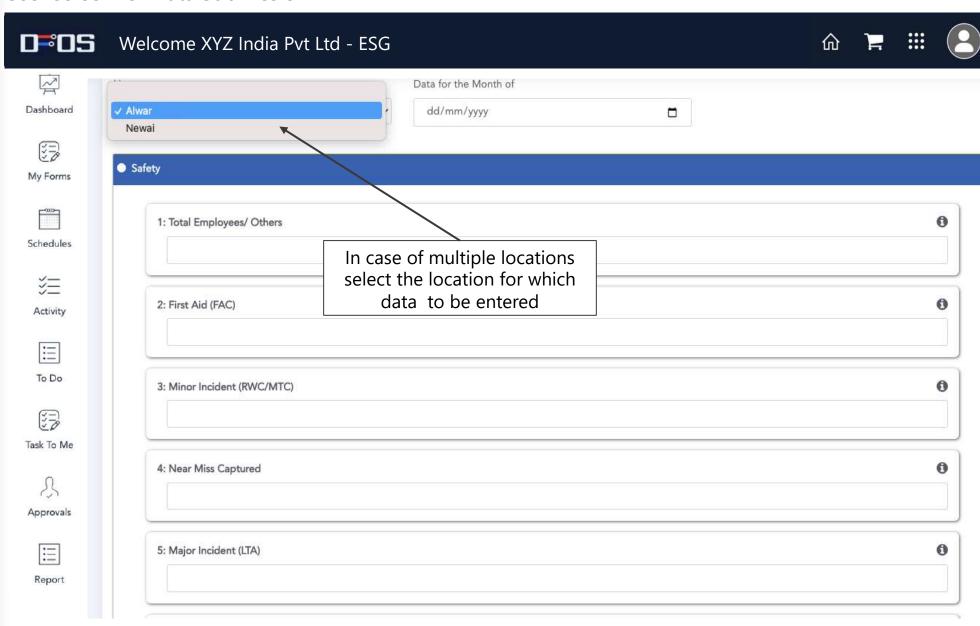


List of the all the heads for which data must be filled.



Wireframes
Solution
Challenge

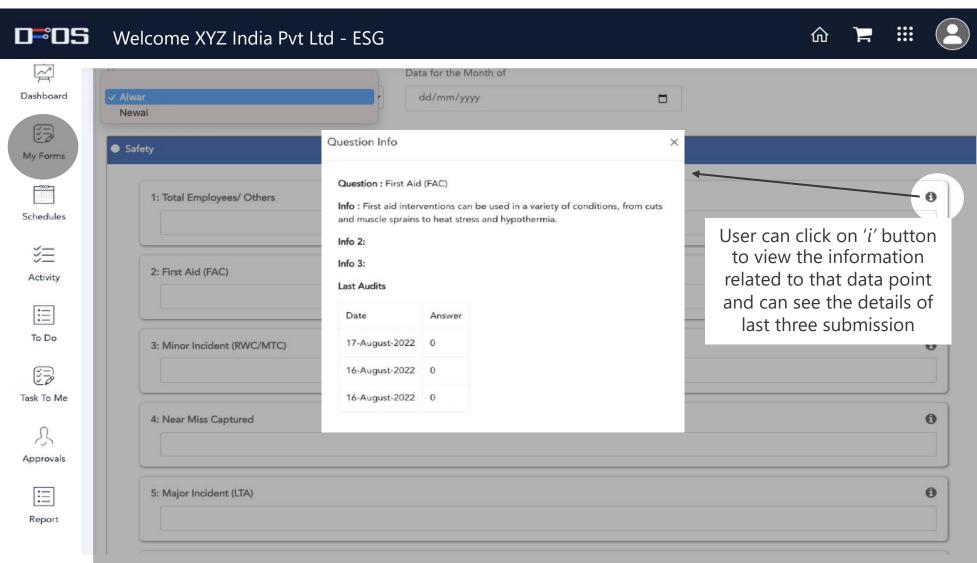
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Wireframes
Solution
Challenge

Challenge

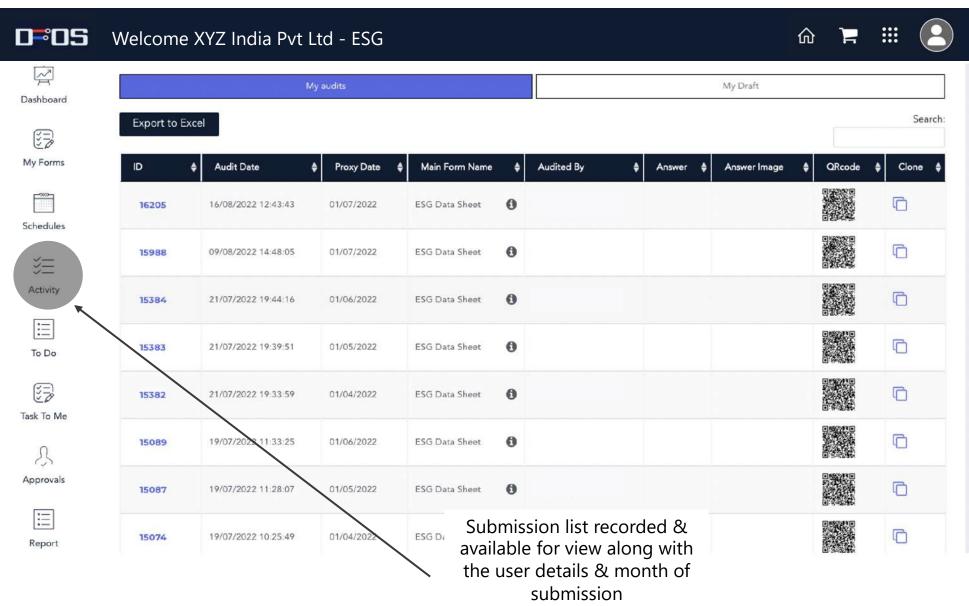
#### User screen for Data Submission



Wireframes

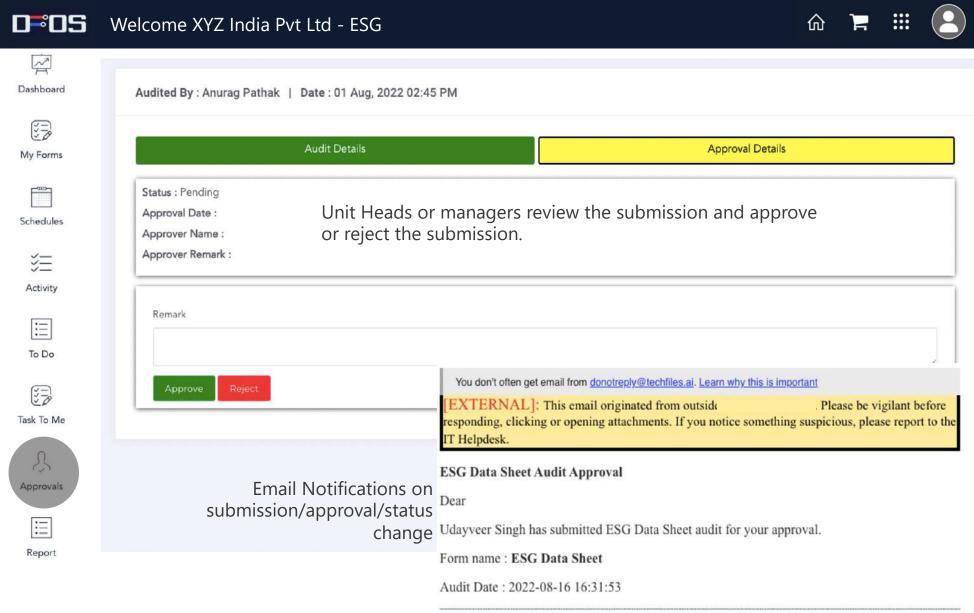
Results







hallenge



Wireframes

# Challenge

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Man Days Lost (LTA)

/ Man Hours Worked]

Man Hours Worked]

All Injury Rate (AIR) [((First Aid+RWC+MTC

+LTA) X 100000} / Man Hours Worked] TRFR or FR [{(MTC + RWC + LTA) X 100000}

Severity Rate [(Mandays Lost X 100000) /

Feb-22

223

42876

0

Jan-22

246

49268

0

0





Mar-22

224

0

0

0

0

0

0

2.14

0

0

46628



Search:

Aggregate

232.67

2

0

0

1

0

0

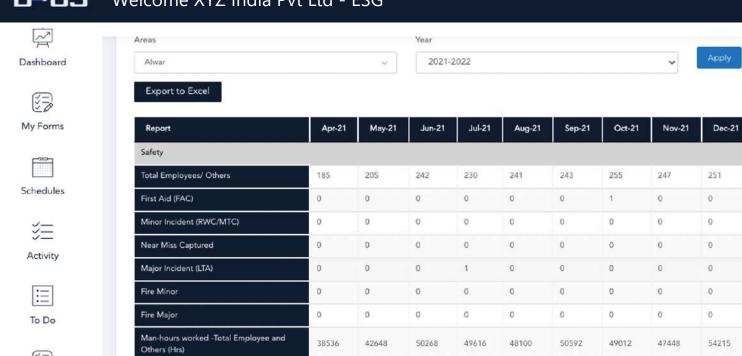
569207

73

0.53

0.18

12.82



12

2.02

2.02

24.19

31

64.45

30

59.30

0

2.04

Task To Me Approvals

Results

Report

Wireframes

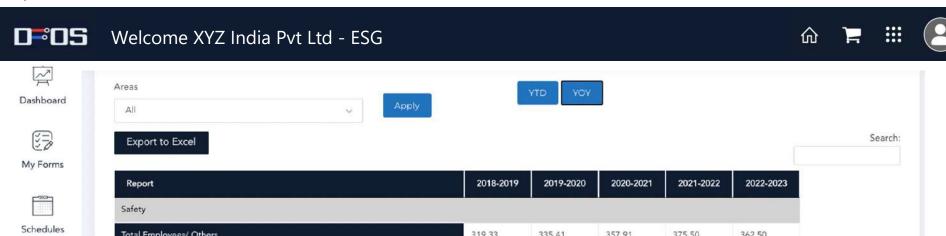
χ≡ Activity

To Do

Task To Me

Approvals

Report



Wireframes
Solution
Challenge

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Report	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Safety					
Total Employees/ Others	319.33	335.41	357.91	375.50	362.50
First Aid (FAC)	0	0	0	5	0
Minor Incident (RWC/MTC)	0	0	0	1	0
Near Miss Captured	257	339	166	4	55
Major Incident (LTA)	0	0	1	1	0
Fire Minor	0	0	0	0	1
Fire Major	0	0	0	0	0
Man-hours worked -Total Employee and Others (Hrs)	771216	820716	857653	918439	322264
Man Days Lost (LTA)	0	0	21	73	0
All Injury Rate (AIR) [((First Aid+RWC+MTC +LTA) X 100000] / Man Hours Worked]	0	0	0.12	0.76	0
TRFR or FR [((MTC + RWC + LTA) X 100000) / Man Hours Worked]	ō	0	0.12	0.22	0
Severity Rate [(Mandays Lost X 100000) / Man Hours Worked]	0	0	2.45	7.95	0

Challenge

## Results





Wireframes