

MKWWRP

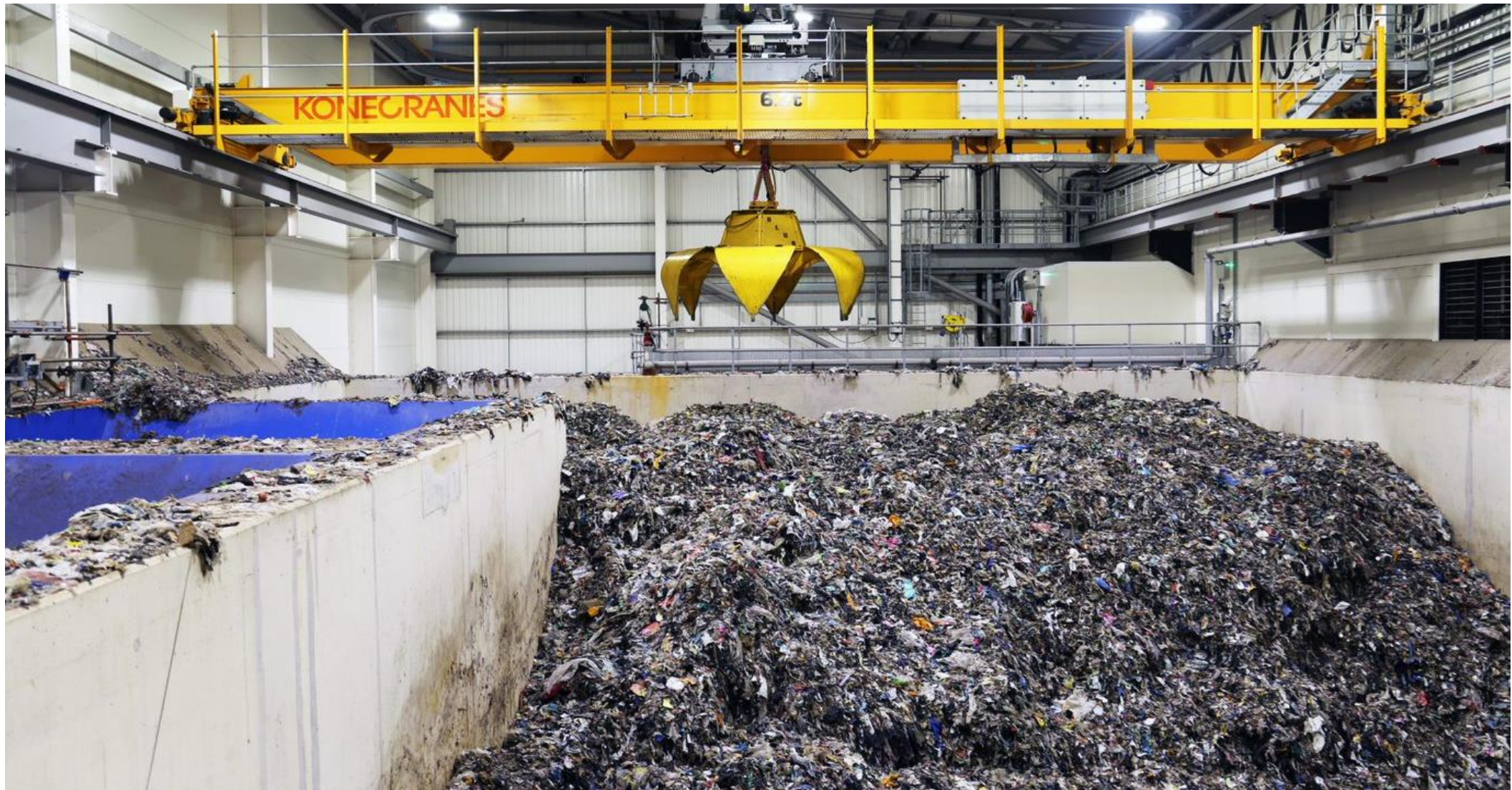
MKWWRP –

Site Performance Report



Thalia
Waste Management



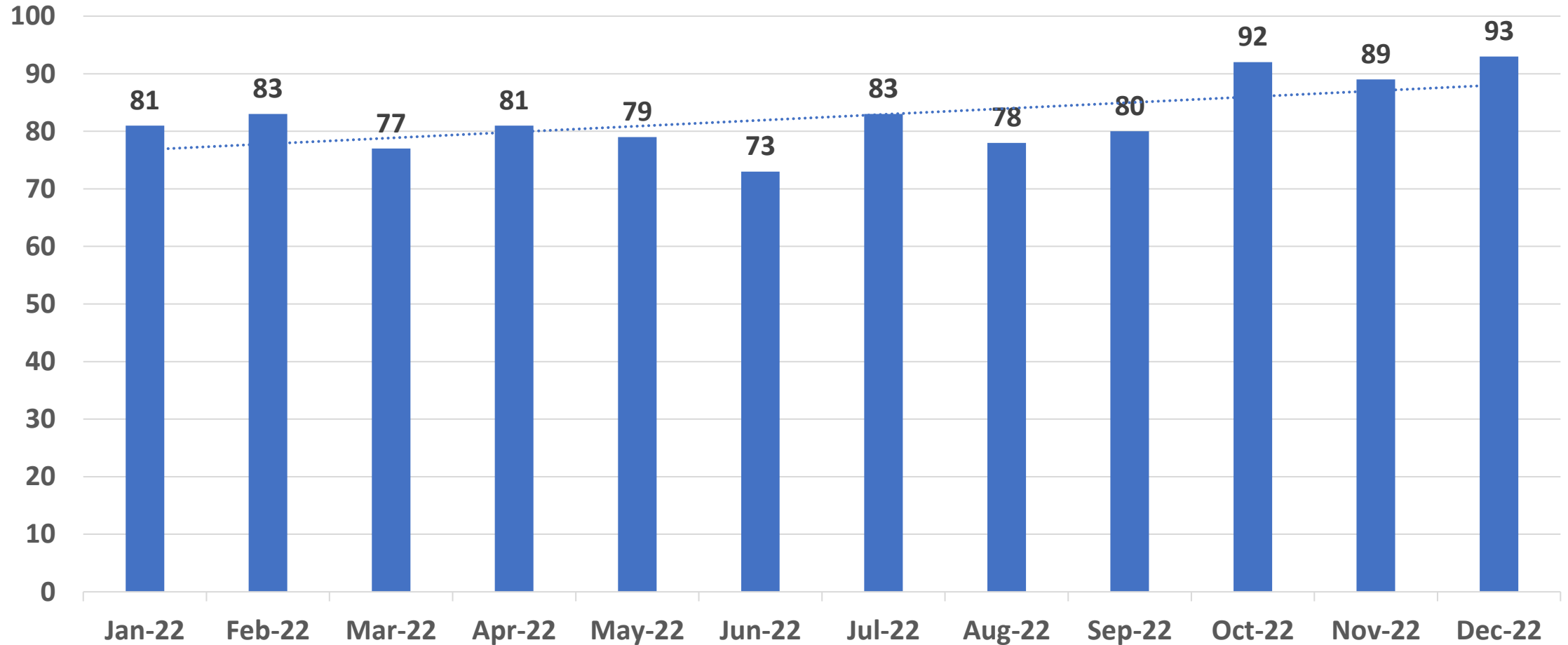




MT – Mechanical Treatment

Performance Data

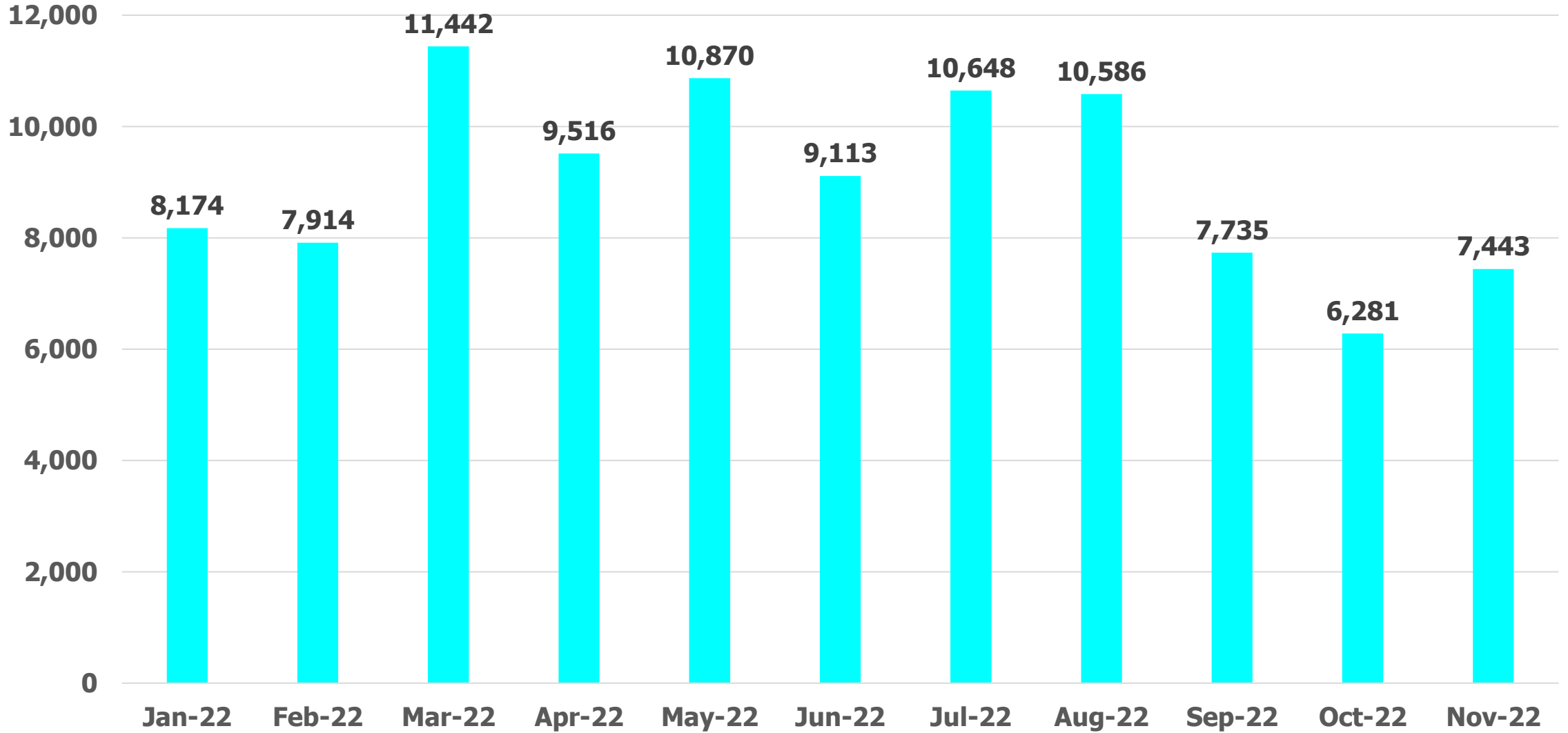
MT - Availability % 2022



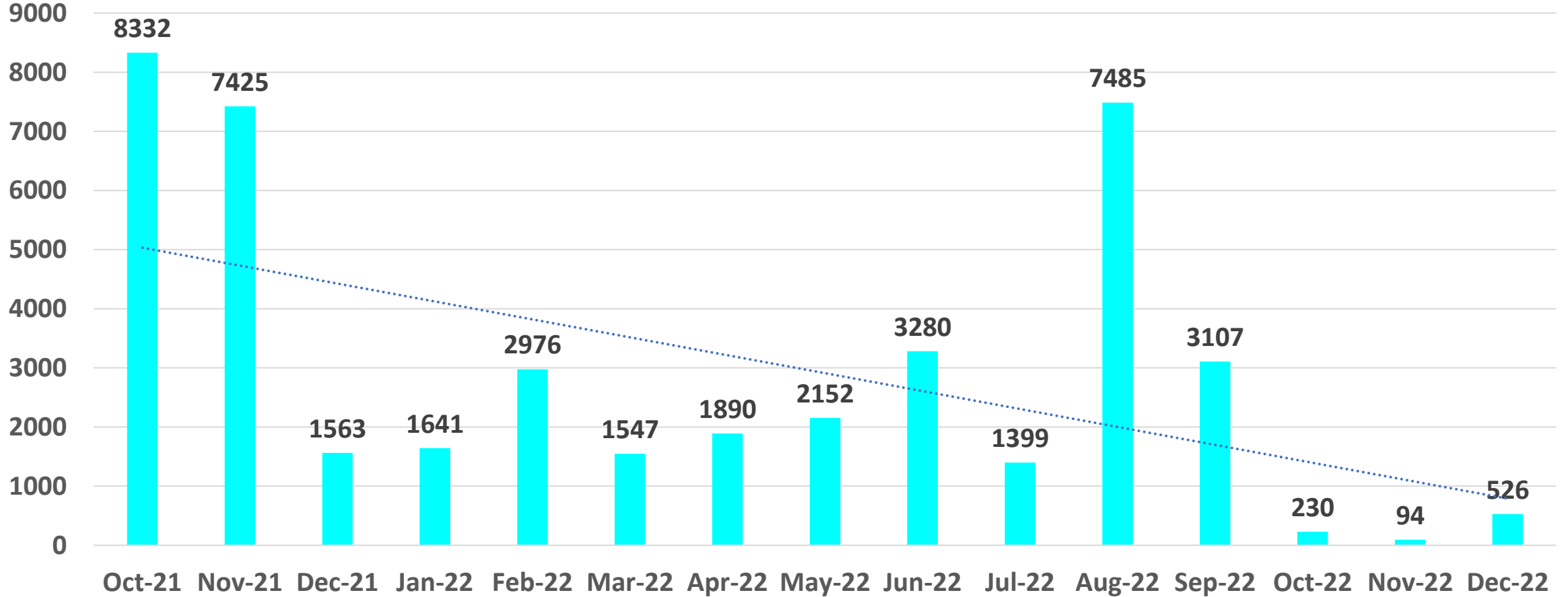
MT Availability : 2022 Q1 = 80% , 2022 Q4 = 91%

Tons

2022 - MT Monthly Performance (tons Processed)



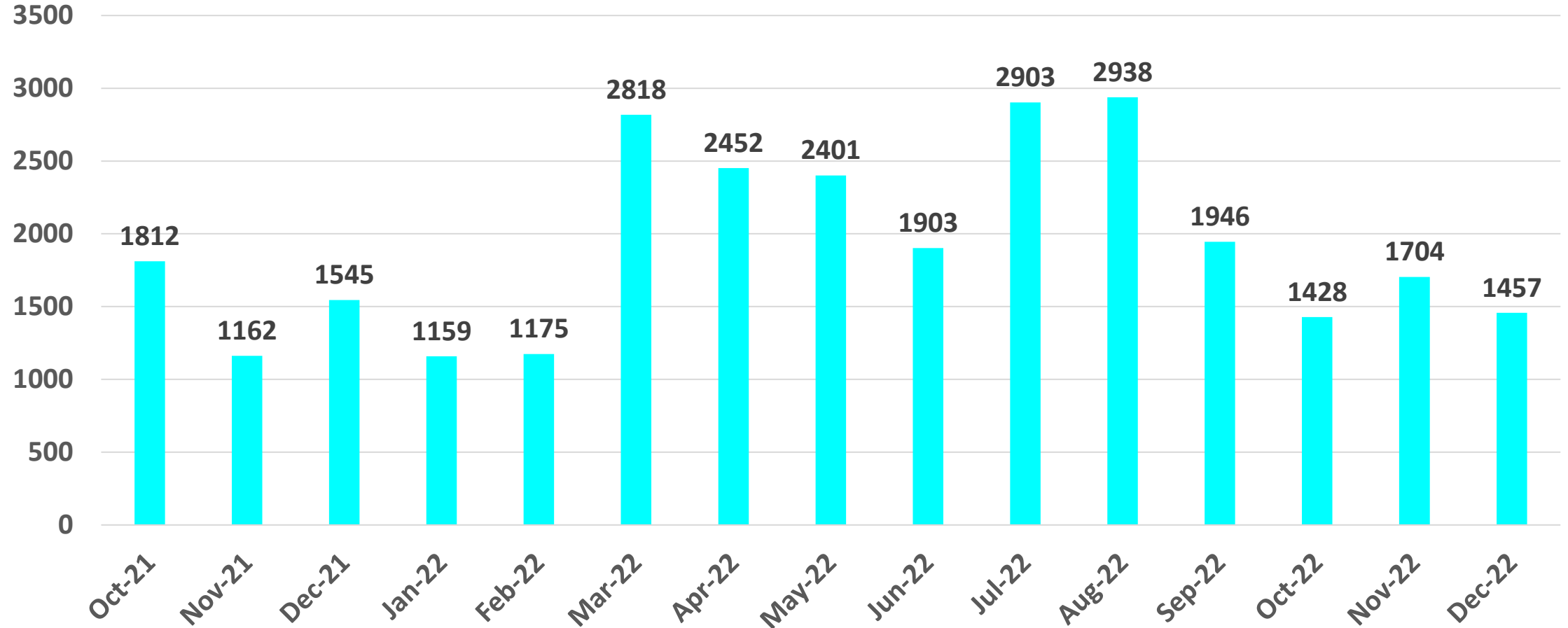
MT 2021-2022 Downtime Reason - Breakdown (mins)



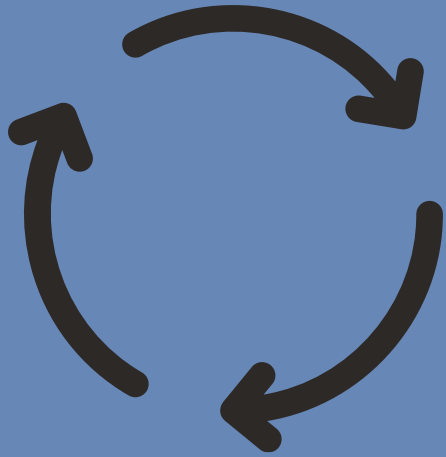
MT Breakdowns : 2021 Q4 = 5,773 mins , 2022 Q4 = 283 mins



MT 2021-2022 Downtime Reason - Blockages (mins)

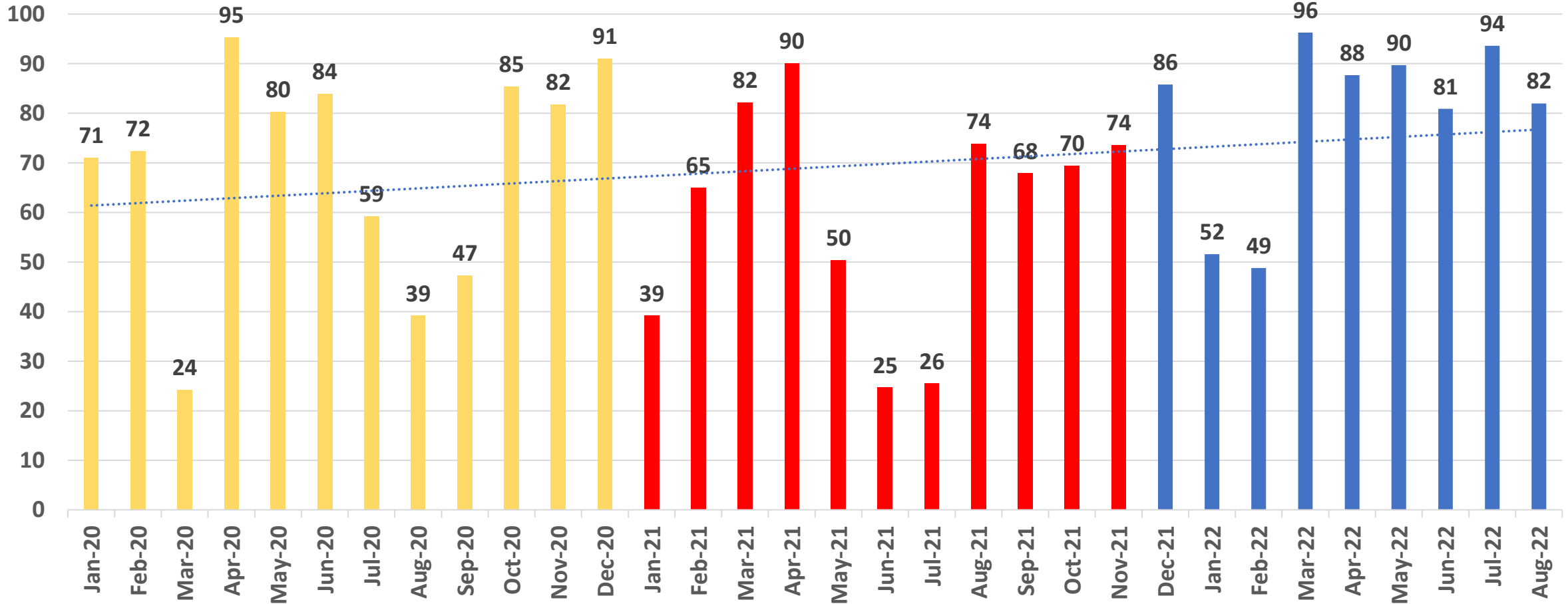


MT Blockages : 2022 Q3 = 2,596 mins , 2022 Q4 = 1,530 mins



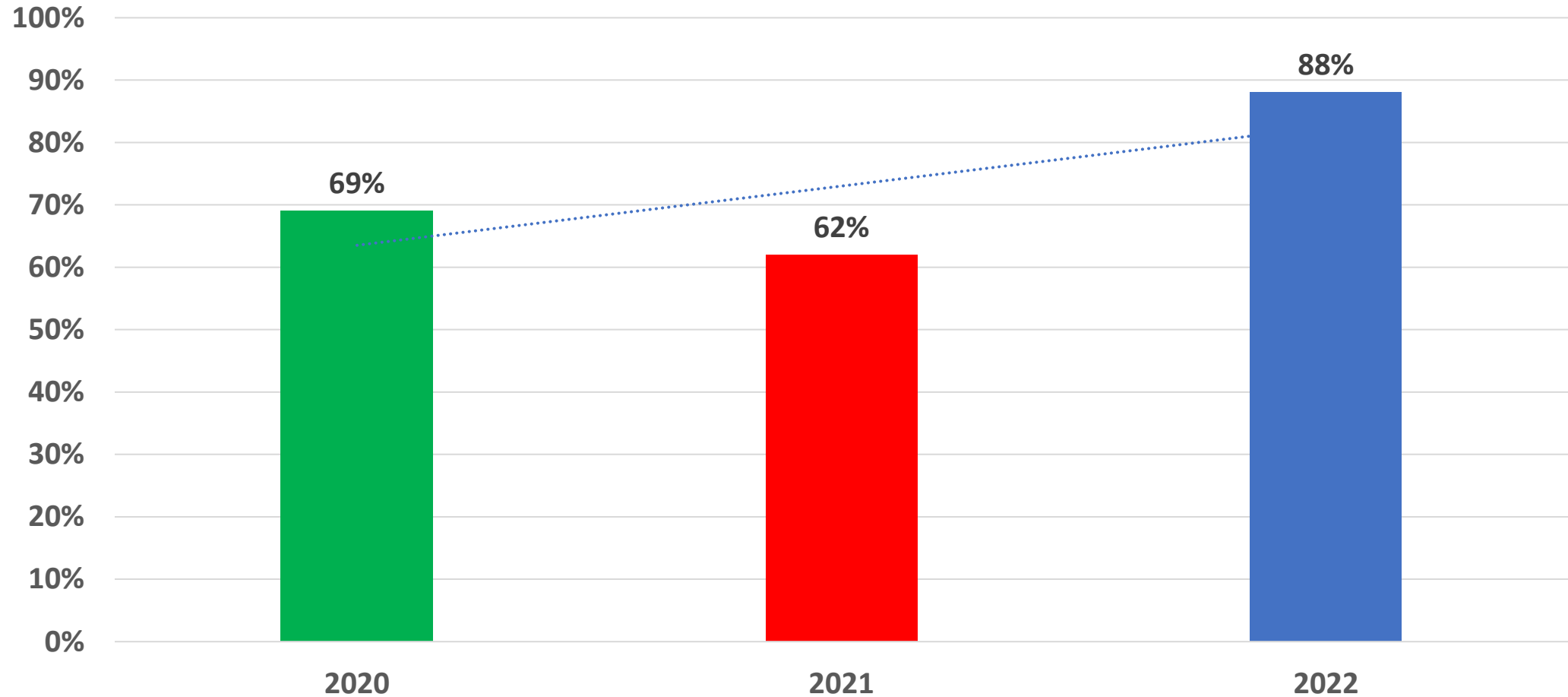
ATT – Performance Data

ATT Availability % (% per Month) 2020-2022



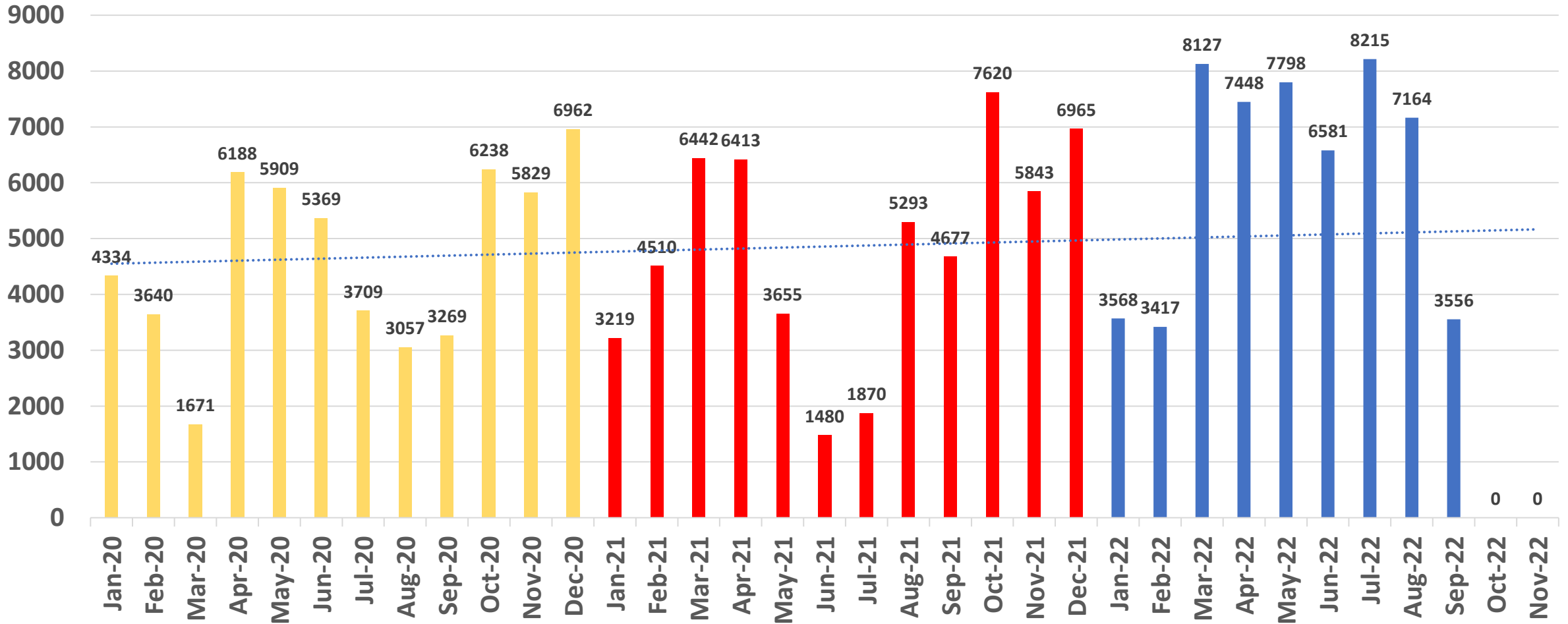
ATT Availability : 2020 = 69% , 2021 = 62% , 2022 = 88%

ATT Availability % (Average % per Year) - 2020,2021,2022



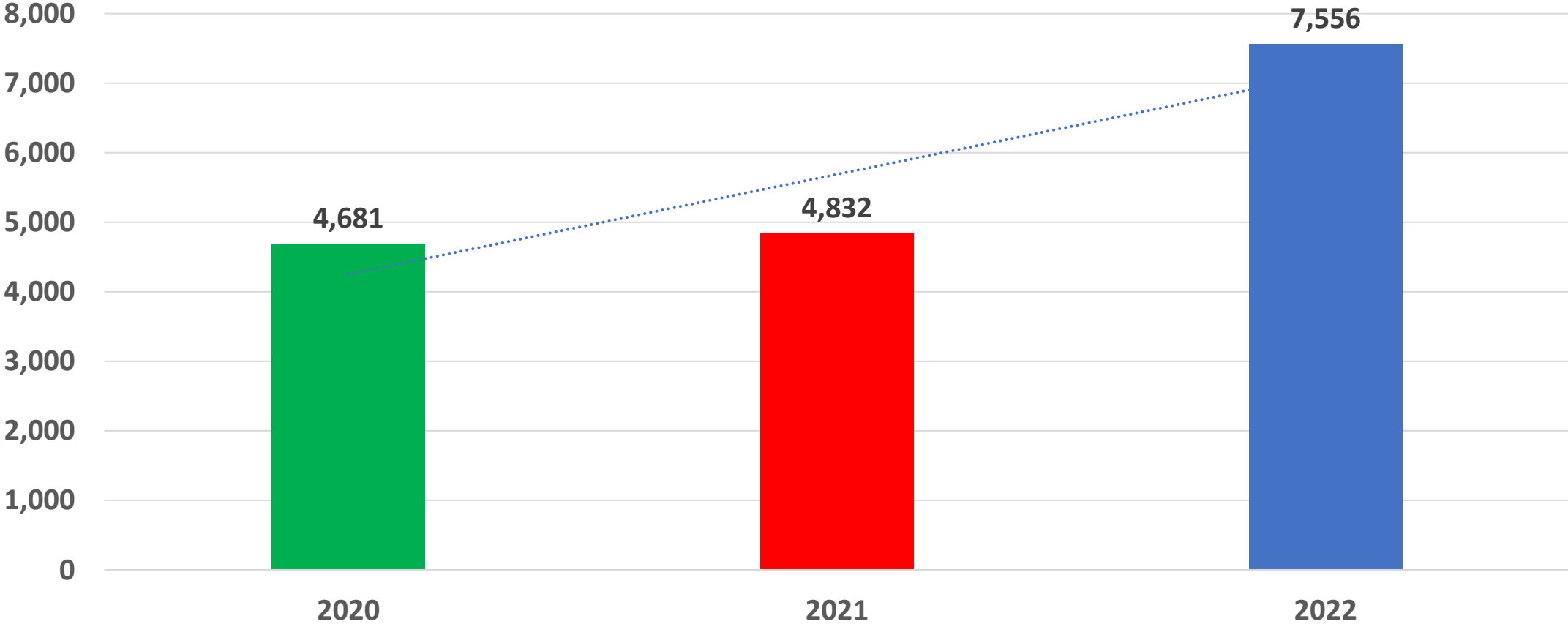
ATT Availability : 2020 = 69% , 2021 = 62% , 2022 = 88%

ATT Productivity (Tonnes per Month) 2020-2022



ATT Productivity : 2020 = 4,681 tons 2021 = 4,832 tons , 2022 = 7,556 tons

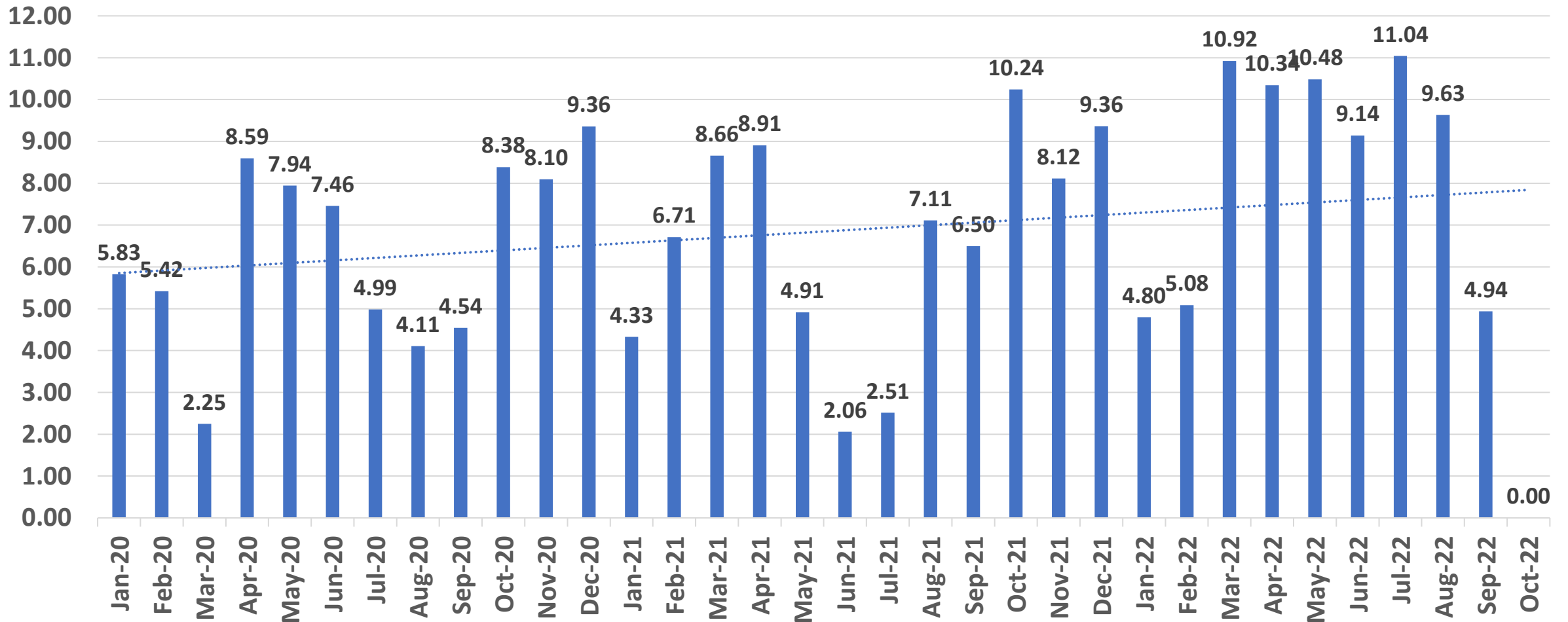
ATT Productivity (Average tonnes per Month) - 2020,2021,2022



ATT Productivity : 2020 = 4,681 tons 2021 = 4,832 tons , 2022 = 7,556 tons

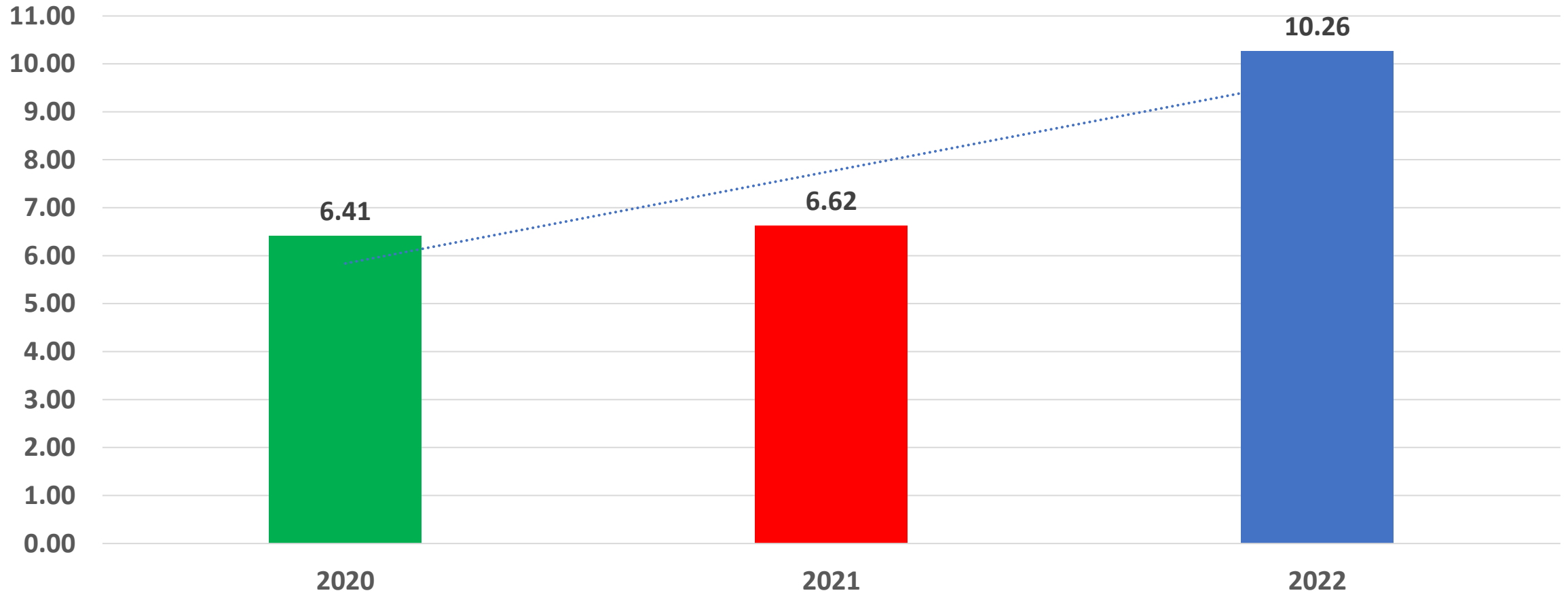


ATT Productivity (tonnes per Hour) 2020 - 2022



ATT Productivity : 2020 = 6.41 tonnes per Hour 2021 = 6.62 tonnes per Hour , 2022 = 10.26 tonnes per Hour

ATT Productivity (Average tonnes per Hour) - 2020,2021,2022



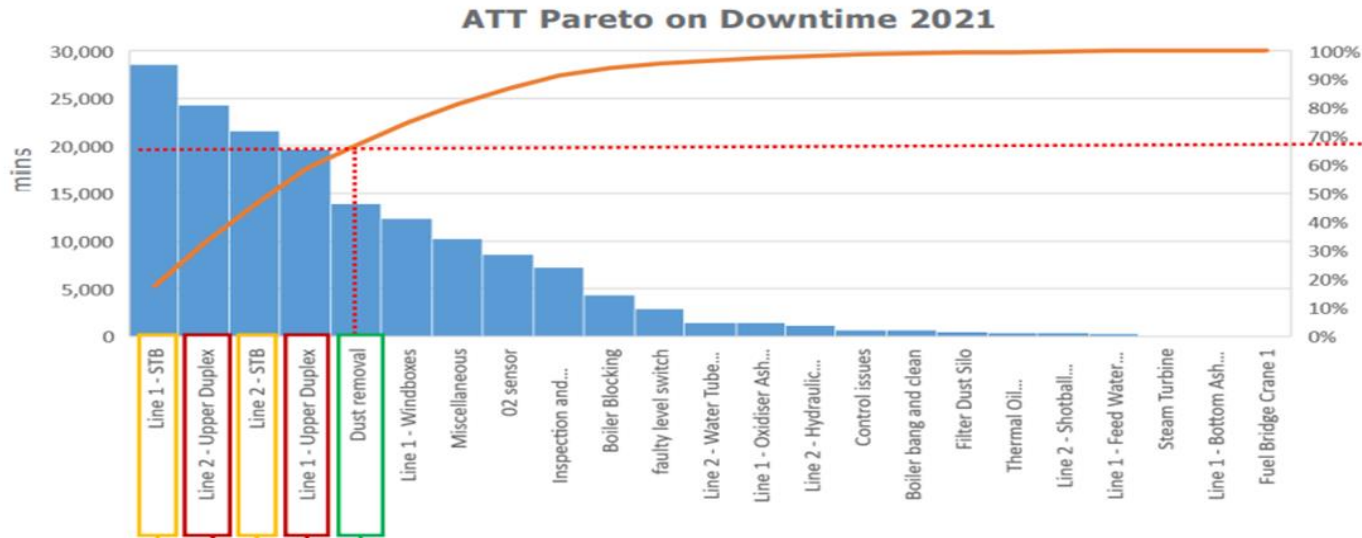
ATT Productivity : 2020 = 6.41 tons 2021 = 6.62 tons , 2022 = 10.26 tons



Thalia
Waste Management

2021 – Asset Downtime Pareto Analysis

PROBLEM / SOLUTION



108,068 mins (circa 70%) of ATT downtime due to these top 3 reasons

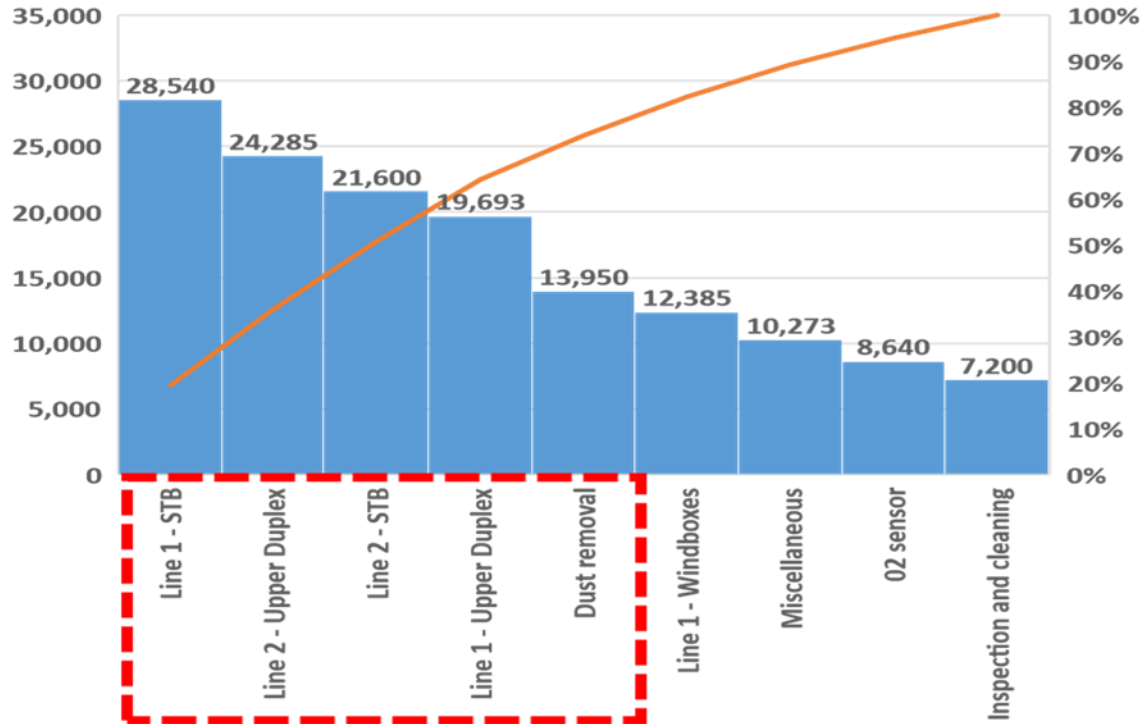
- 1) Smoke Tube Boiler (836 mins, 32%)
- 2) Cleaning (233 mins, 9%)
- 3) Duplex (733 mins, 28%)

Projects established to address these issues

- OP.MK.02.01 Duplex
- OP.MK.02.02 Boiler inc. Cleaning

2021 v 2022 – ATT Asset Downtime Pareto Analysis

2021 - ATT Asset Downtime Pareto Analysis



Smoke Tube Boiler = 50,140

Boiler Cleaning = 13,950

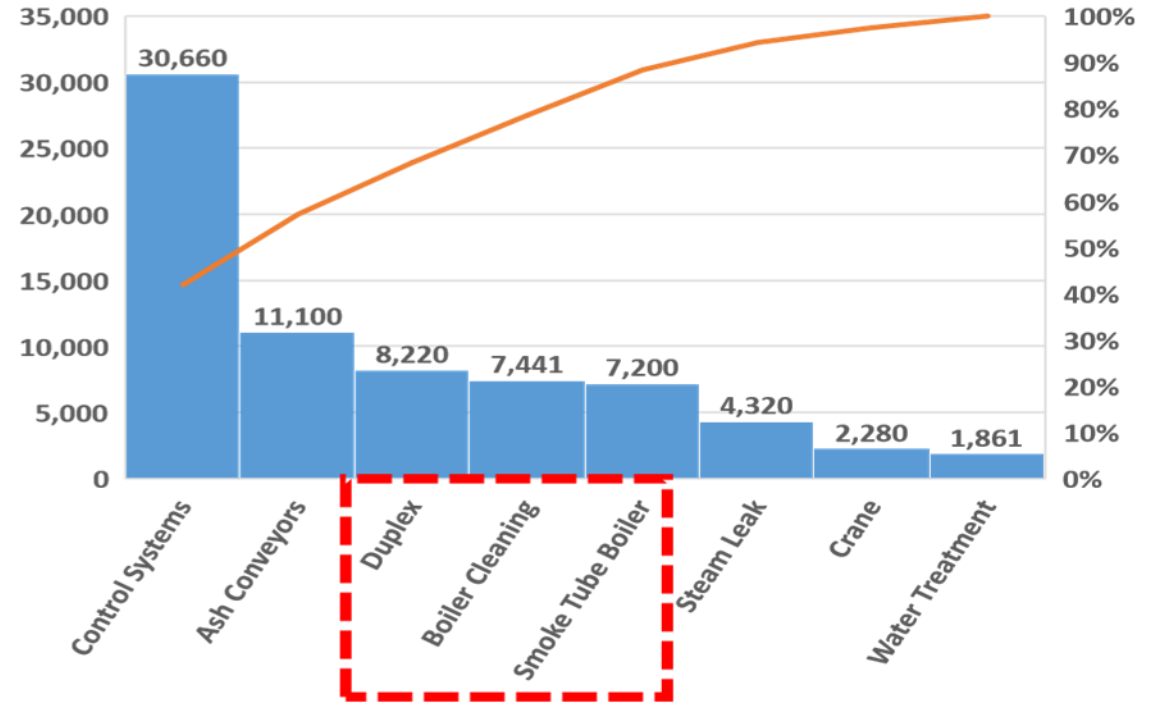
Duplex = 43978

Smoke Tube Boiler Reduction = 42,940 mins

Boiler Cleaning Reduction = 6,509 mins

Duplex Reductions = 35,758 mins

2022 - ATT Asset Downtime Pareto Analysis



Smoke Tube Boiler = 7,200

Boiler Cleaning = 7,441

Duplex = 8,220



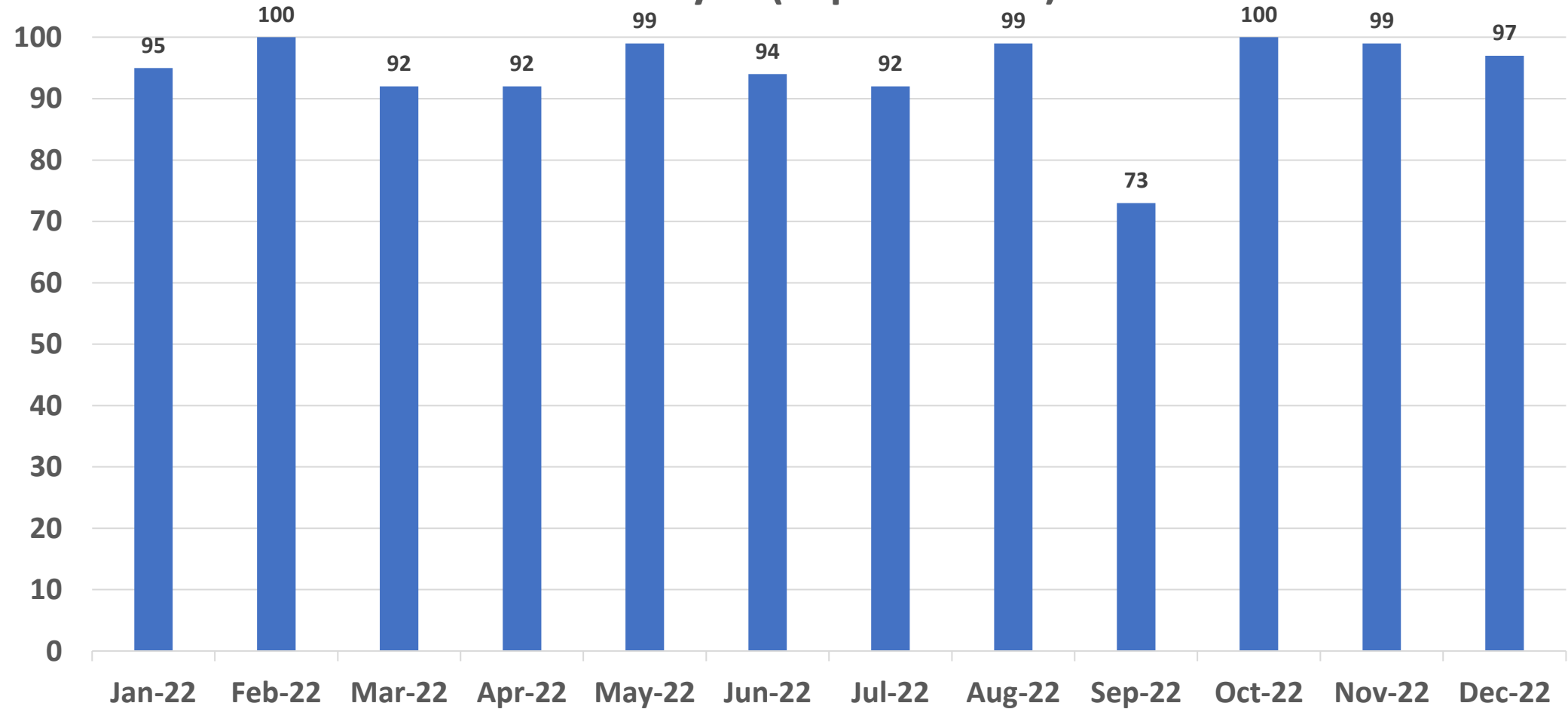
Thalia
Waste Management



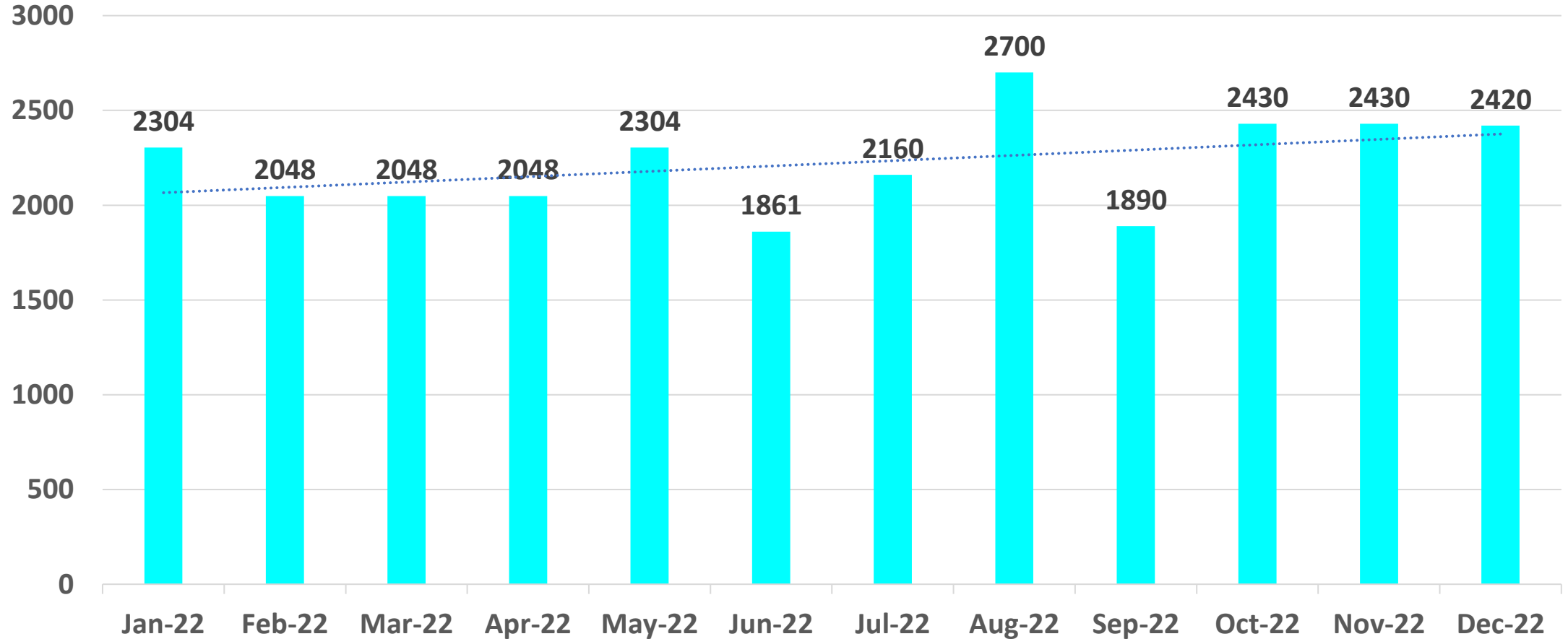
AD – Anaerobic Digestion

Performance Data

AD - Availability % (% per Month) 2022

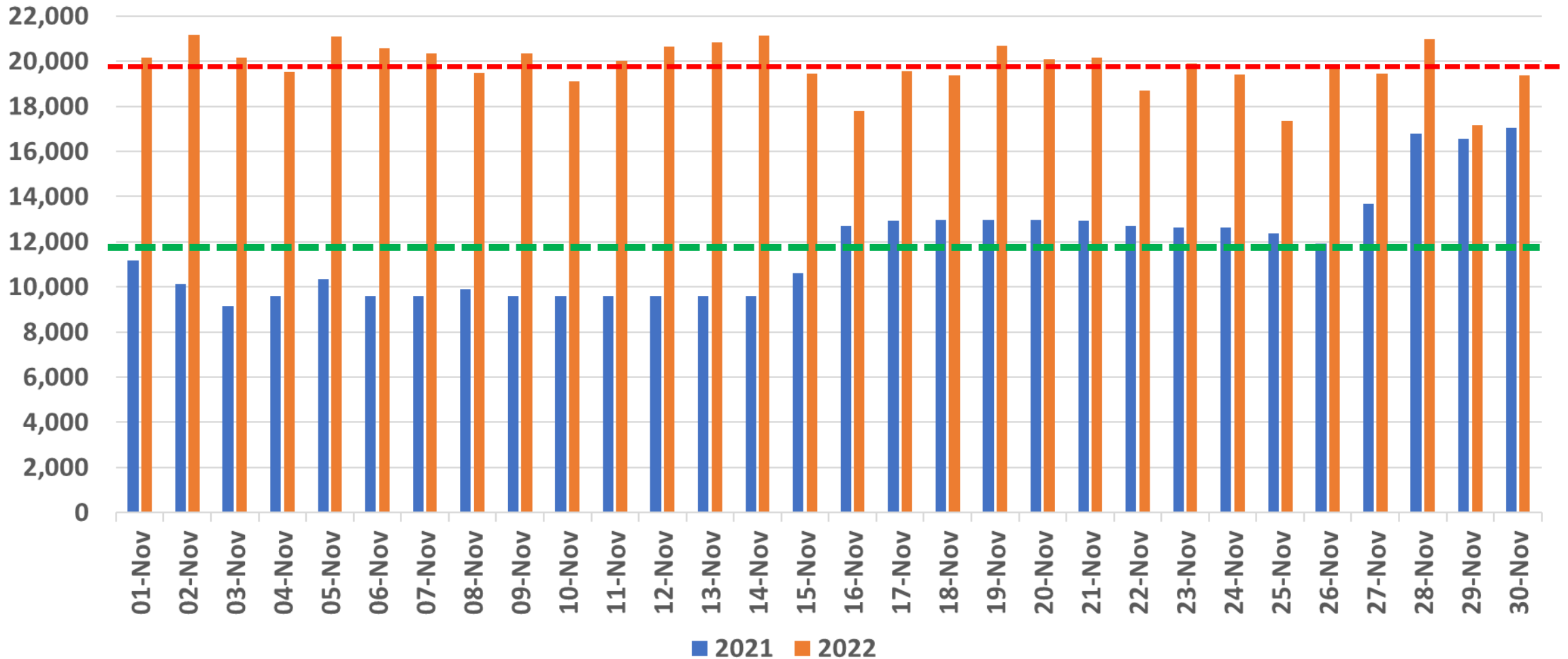


AD Monthly Performance (Tonnes per Month) 2022



AD Productivity : 2021 = 2,048 tonnes , 2022 = 2,422 tonnes

AD Daily Performance November (kWh) 2021 v 2022



November 2021 = 11,710Kwh per Day

November 2022 = 19,792Kwh per Day





MKWWRP

Performance Data Summary

MKWRP Performance Summary

MT

- MT Availability : 2022 Q1 = 80% to 2022 Q4 = 91% **Page 4**
- MT Breakdowns : 2021 Q4 = 5,773 mins to 2022 Q4 = 283 mins **Page 6**
- MT Blockages : 2022 Q3 = 2,596 mins to 2022 Q4 = 1,530 mins **Page 7**

ATT

- ATT Availability : 2020 = 69% , 2021 = 62% , 2022 (March to September) = 88% **Page 10**
- ATT Productivity : 2020 = 4,681 tonnes per Month 2021 = 4,832 tonnes per Month , 2022 = 7,556 tonnes per Month **Page 12**
- ATT Productivity : 2020 = 6.41 tonnes per Hour 2021 = 6.62 tonnes per Hour , 2022 = 10.26 tonnes per Hour **Page 14**
- ATT Breakdowns Pareto Analysis : Top 3 Downtime Reasons for 2021 equated for over 70% of all Breakdowns **Page 15**

2021: Jan-Dec **Page 16**

Smoke Tube Boiler = 50,140mins

Boiler Cleaning = 13,950mins

Duplex = 43,978

2022: Jan-Sept

Smoke Tube Boiler = 7,200mins

Boiler Cleaning = 7,441mins

Duplex = 8,220mins

Reduction (mins)

42,940mins

6,509mins

35,758mins

AD

- AD Availability : Consistently greater than 95% **Page 18**
- AD Performance : 2021 Average 2,048 tonnes per Month to 2022 Average 2,422 tonnes Per Month **Page 19**
- AD Power Generation : 2021 November 11,710 Kwh to 2022 November 19,792Kwh **Page 20**
(69% Improvement)



THANK YOU

