

SEEN FROM A FINANCIAL AND A SUSTAINABILITY POINT OF VIEW

BY JASPER ZONDERVAN
ARCHITECT EMS @ ANALYTICS FOR INDUSTRY







SEEN FROM A FINANCIAL AND A SUSTAINABILITY POINT OF VIEW

BY JASPER ZONDERVAN
ARCHITECT EMS @ ANALYTICS FOR INDUSTRY





SEEN FROM A FINANCIAL AND A SUSTAINABILITY POINT OF VIEW

BY JASPER ZONDERVAN

ARCHITECT EMS @ ANALYTICS FOR INDUSTRY







# AUTONOMOUS OPERATIONS WHERE PEOPLE ARE INFORMED AND SYNCHRONIZED WITH THEIR PROCESSES.





SEEN FROM A FINANCIAL AND A SUSTAINABILITY POINT OF VIEW







**WHO** WHY **WHAT HOW WHEN** 







**WHO** 

## ORGANIZATIONS THAT WANT TO:

O LIVE UP TO THE PARIS AGREEMENT REGARDING SUSTAINABILITY.







































2 ZERO HUNGER



GOOD HEALTH AND WELL-BEING



QUALITY EDUCATION



**5** GENDER EQUALITY



G CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



B DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIE AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



4 LIFE BELOW WATER



15 LIFE ON LAND



PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



SUSTAINABLE DEVELOPMENT GOALS

















































**WHO** 

## ORGANIZATIONS THAT WANT TO:

O LIVE UP TO THE PARIS AGREEMENT REGARDING SUSTAINABILITY.





































## ORGANIZATIONS THAT WANT TO:

O LIVE UP TO THE PARIS AGREEMENT REGARDING SUSTAINABILITY.

**WHO** 

O REDUCE THEIR ENERGY COSTS.

(YEARLY ENERGY (WAGES) BILL > 1M EURO/USD/UKP)







**WHO** 

## ORGANIZATIONS THAT WANT TO:

O SHOW THE WORLD THAT YOU CARE FOR THE WORLD OF TODAY AND THE WORLD OF OUR CHILDREN'S CHILDREN.

o Reduce their Energy Costs to Stay competitive.







**WHY** 

## WHAT'S IN IT FOR YOU | WHY SHOULD YOU CARE:

- SPEND YOUR ENERGY BASED SUSTAINABILITY INVESTMENTS WISELY.
- SAVE MONEY BY REDUCING YOUR ENERGY COSTS.
   MAKE MONEY BY BEING (MORE) COMPETITIVE.







**WHAT** 



REDUCING ENERGY CONSUMPTION IN 5
SEEN FROM A FINANCIAL AND A SUSTAINABILITY POINT OF VIEW





**WHAT** 



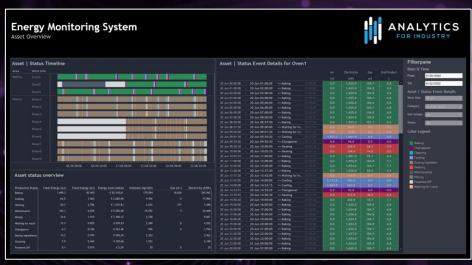






**WHAT** 













0.04

0.04

0.02

0.03

0.02

Mixer7

Mixer9

66.1

66.2

86.0

85.9

85.9

2.9

2.0

2.0

120,51 €

104,79€

82,39€

84.93 €

1,82 €

1,58 €

0,96€

1,24€

0.99€

394

315

566

**Daily Energy Results** 



8,607

5,576

5,865

11,530

1,767

39,10 €

32,12 €

17,16€

23,32 €

27,09€



2022-BA20426 Butter Cookies

2022-BA30426 Sugar Cookies

2022-BA30427 Sugar Cookies

2022-BA20427 Shortbread Cookies

1.10

0.91

0.48

0.66

0.77

64.1

50.8

99.2

19.1

70.5

46.4

47.7

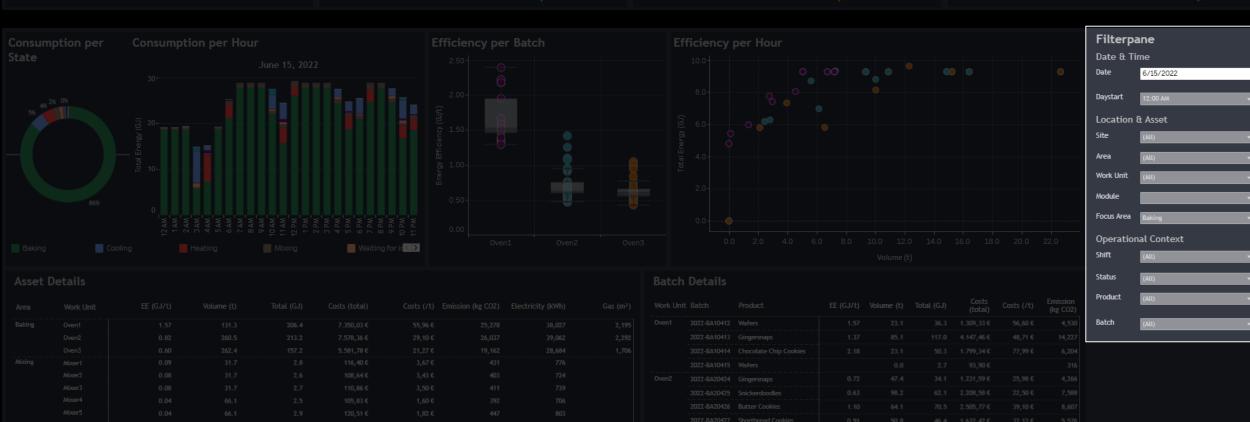
2.505.77 €

1.632.42 €

1.703,05€







Batch Details								
						Costs (total)		Emission (kg CO2)





#### **Filterpane**

Date & Time

Date 6/15/2022

Daystart

#### Location & Asset

Site

Area

Work Unit

Module

Focus Area

#### Operational Context

Shift

Status

Product

Batch

ANALYTICS
FOR INDUSTRY





Costs (total)	Emission (kg CO2)

6/15/2022	

0.04

0.04

0.02

0.03

0.02

Mixer7

Mixer9

66.1

66.2

86.0

85.9

85.9

2.9

2.0

2.0

120,51 €

104,79€

82,39€

84.93 €

1,82 €

1,58 €

0,96€

1,24€

0.99€

394

315

566

**Daily Energy Results** 



8,607

5,576

5,865

11,530

1,767

39,10 €

32,12 €

17,16€

23,32 €

27,09€



2022-BA20426 Butter Cookies

2022-BA30426 Sugar Cookies

2022-BA30427 Sugar Cookies

2022-BA20427 Shortbread Cookies

1.10

0.91

0.48

0.66

0.77

64.1

50.8

99.2

19.1

70.5

46.4

47.7

2.505.77 €

1.632.42 €

1.703,05€

0.08

0.04

0.04

0.04

0.02

0.03

0.02

66.1

66.1

66.2

86.0

85.9

85.9

Mixer3

Mixer4

Mixer7

Mixer9

110,86 €

120,51 €

104,79€

82,39€

84.93 €

2.9

2.0

2.0

3,50 €

1,60 €

1,82 €

1,58 €

0,96€

1,24€

0.99€

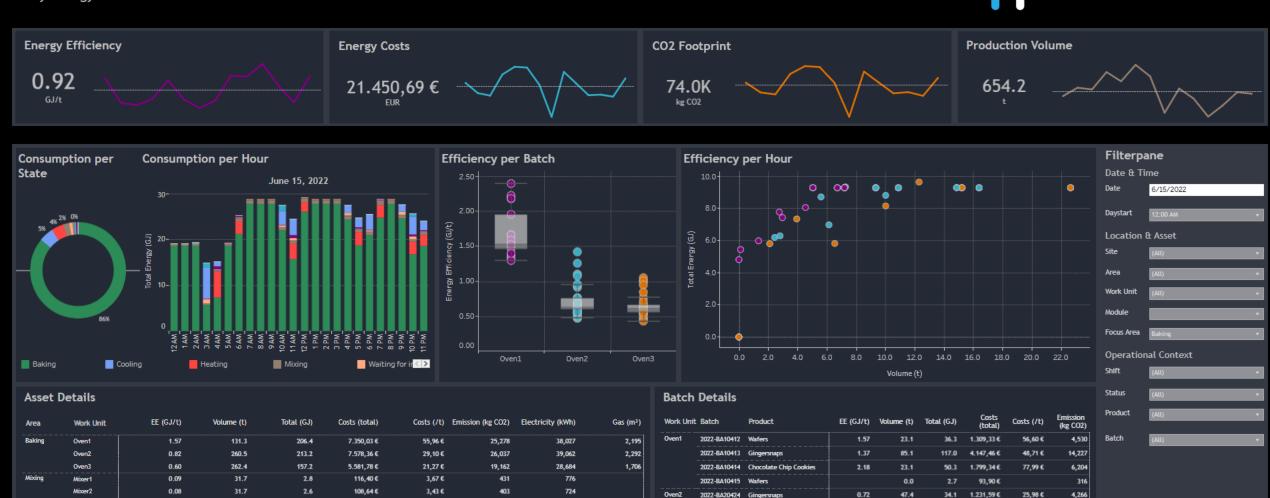
394

315

566

**Daily Energy Results** 





0.63

1.10

0.91

0.48

0.66

0.77

2022-BA20425 Snickerdoodles

2022-BA20426 Butter Cookies

2022-BA30426 Sugar Cookies

2022-BA30427 Sugar Cookies

2022-BA20427 Shortbread Cookies

98.2

64.1

50.8

99.2

19.1

62.1

70.5

46.4

47.7

2.208,58 €

2.505.77 €

1.632.42 €

1.703,05€

22,50 €

39,10 €

32,12 €

17,16€

23,32 €

27,09€

8,607

5,576

5,865

11,530

0.08

0.04

0.04

0.04

0.02

0.03

0.02

66.1

66.1

66.2

86.0

85.9

85.9

Mixer3

Mixer4

Mixer7

Mixer9

110,86 €

120,51 €

104,79€

82,39€

84.93 €

2.9

2.0

2.0

3,50 €

1,60 €

1,82 €

1,58 €

0,96€

1,24€

0.99€

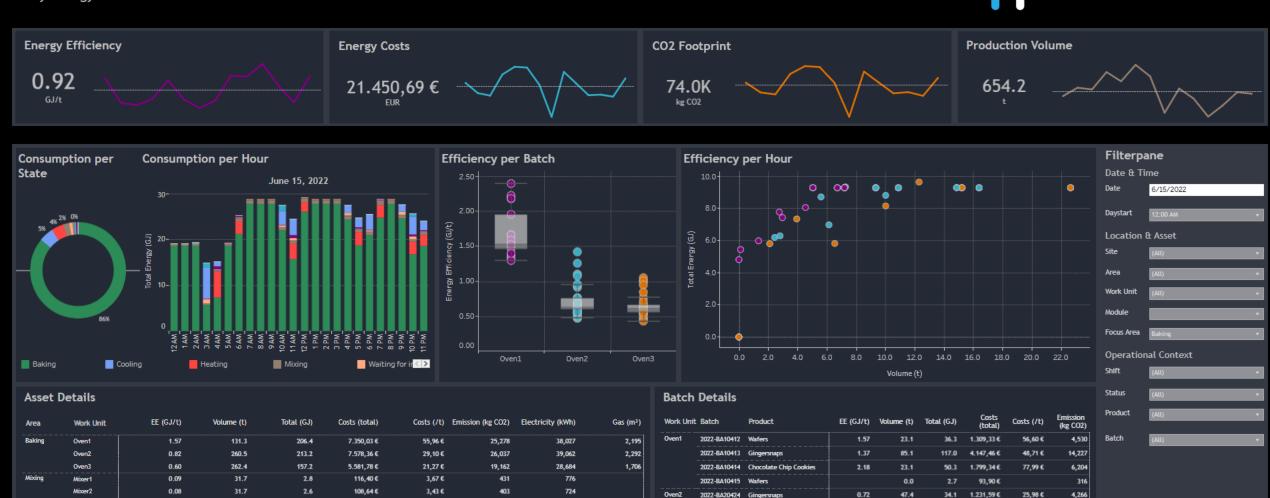
394

315

566

**Daily Energy Results** 





0.63

1.10

0.91

0.48

0.66

0.77

2022-BA20425 Snickerdoodles

2022-BA20426 Butter Cookies

2022-BA30426 Sugar Cookies

2022-BA30427 Sugar Cookies

2022-BA20427 Shortbread Cookies

98.2

64.1

50.8

99.2

19.1

62.1

70.5

46.4

47.7

2.208,58 €

2.505.77 €

1.632.42 €

1.703,05€

22,50 €

39,10 €

32,12 €

17,16€

23,32 €

27,09€

8,607

5,576

5,865

11,530

0.08

0.04

0.04

0.04

0.02

0.03

0.02

66.1

66.1

66.2

86.0

85.9

85.9

Mixer3

Mixer4

Mixer7

Mixer9

110,86 €

120,51 €

104,79€

82,39€

84.93 €

2.9

2.0

2.0

3,50 €

1,60 €

1,82 €

1,58 €

0,96€

1,24€

0.99€

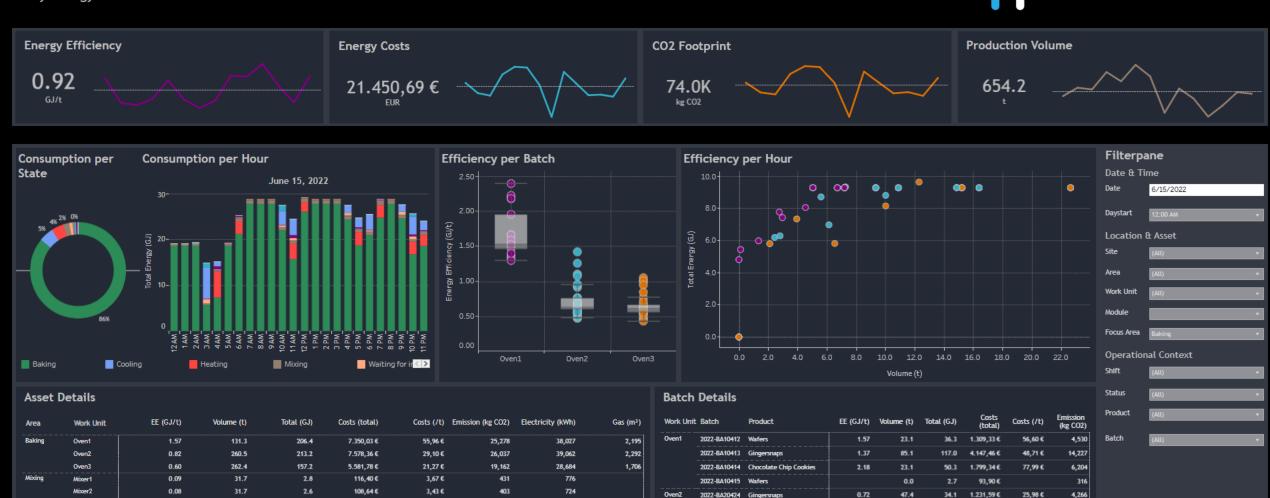
394

315

566

**Daily Energy Results** 





0.63

1,10

0.91

0.48

0.66

0.77

2022-BA20425 Snickerdoodles

2022-BA20426 Butter Cookies

2022-BA30426 Sugar Cookies

2022-BA30427 Sugar Cookies

2022-BA20427 Shortbread Cookies

98.2

64.1

50.8

99.2

19.1

62.1

70.5

46.4

47.7

2.208,58 €

2.505.77 €

1.632.42 €

1.703,05€

22,50 €

39,10 €

32,12 €

17,16€

23,32 €

27,09€

8,607

5,576

5,865

11,530







			Costs (total)	Emission (kg CO2)

6/15/2022	

Daily Energy Result





Daily Energy Result





Daily Energy Result











			Costs (total)	Emission (kg CO2)

	6/15/2022							

0.08

0.04

0.04

0.04

0.02

0.03

0.02

66.1

66.1

66.2

86.0

85.9

85.9

Mixer3

Mixer4

Mixer7

Mixer9

110,86 €

120,51 €

104,79€

82,39€

84.93 €

2.9

2.0

2.0

3,50 €

1,60 €

1,82 €

1,58 €

0,96€

1,24€

0.99€

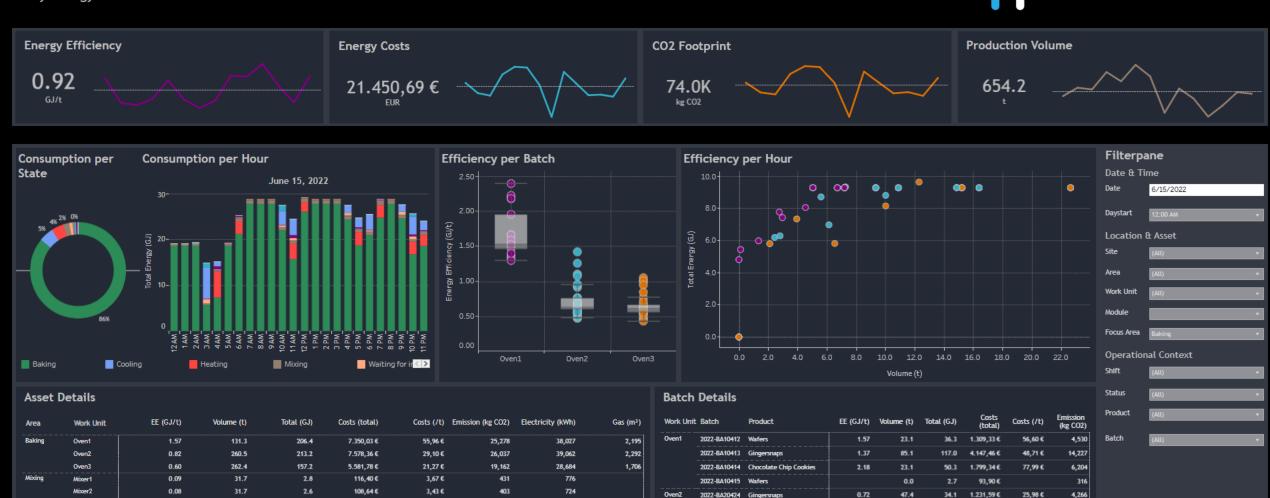
394

315

566

**Daily Energy Results** 





0.63

1,10

0.91

0.48

0.66

0.77

2022-BA20425 Snickerdoodles

2022-BA20426 Butter Cookies

2022-BA30426 Sugar Cookies

2022-BA30427 Sugar Cookies

2022-BA20427 Shortbread Cookies

98.2

64.1

50.8

99.2

19.1

62.1

70.5

46.4

47.7

2.208,58 €

2.505.77 €

1.632.42 €

1.703,05€

22,50 €

39,10 €

32,12 €

17,16€

23,32 €

27,09€

8,607

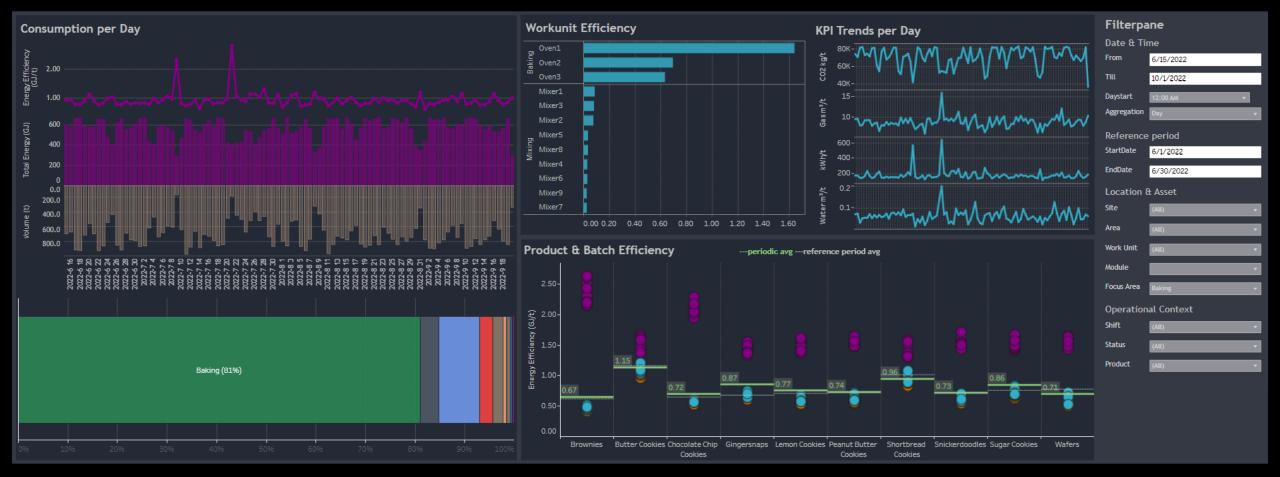
5,576

5,865

11,530

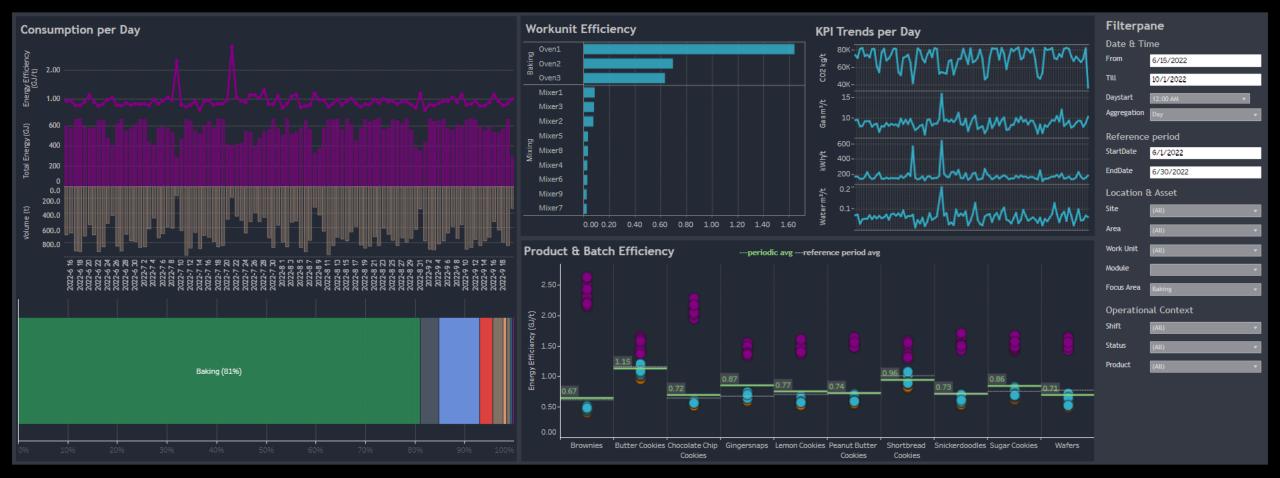






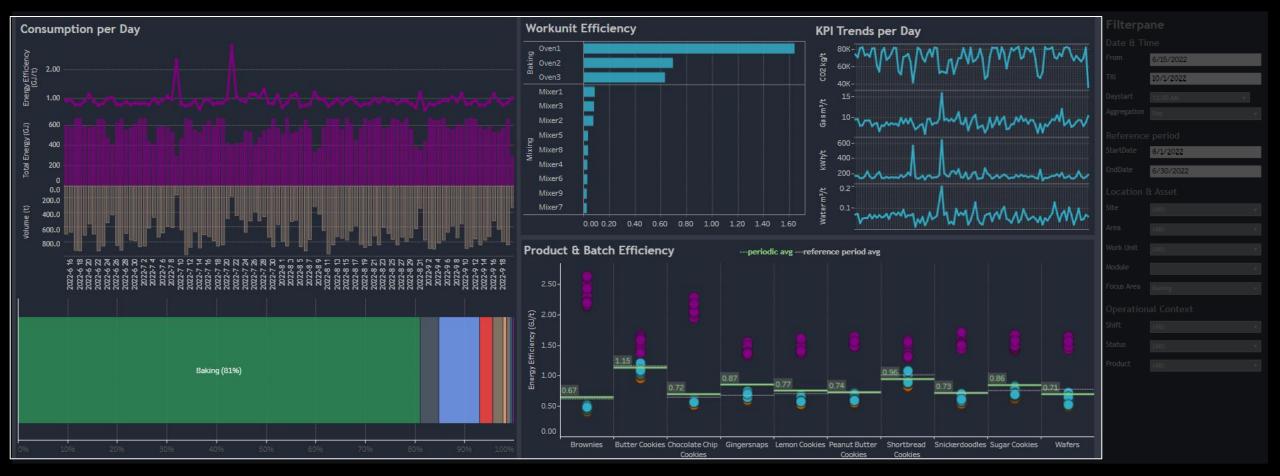


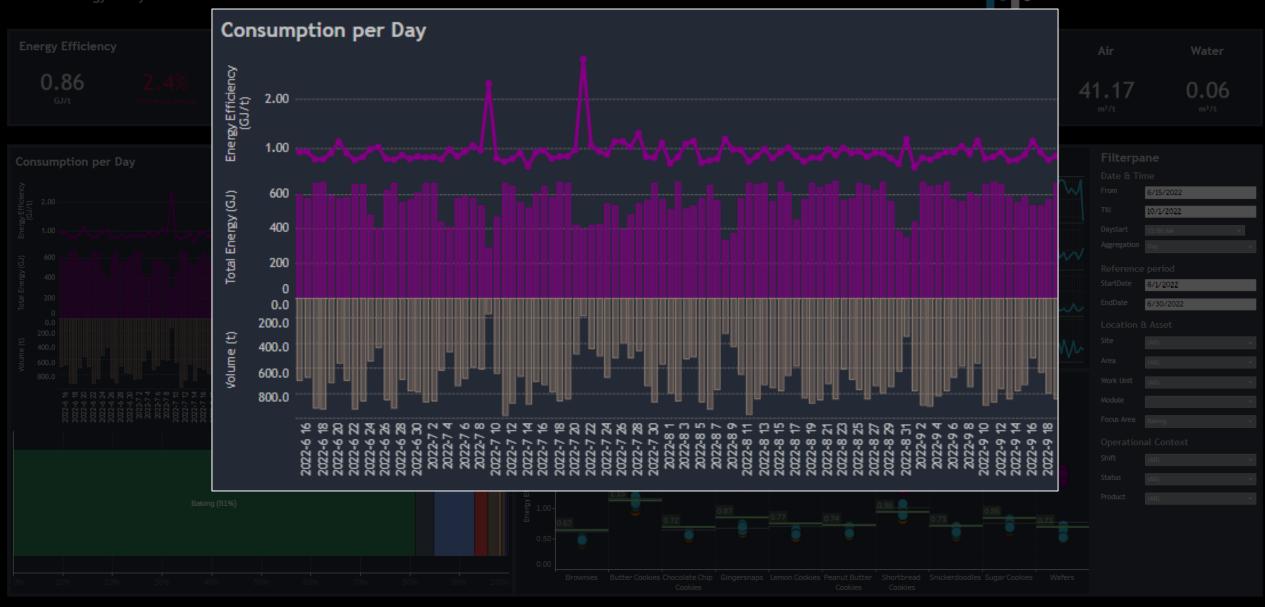




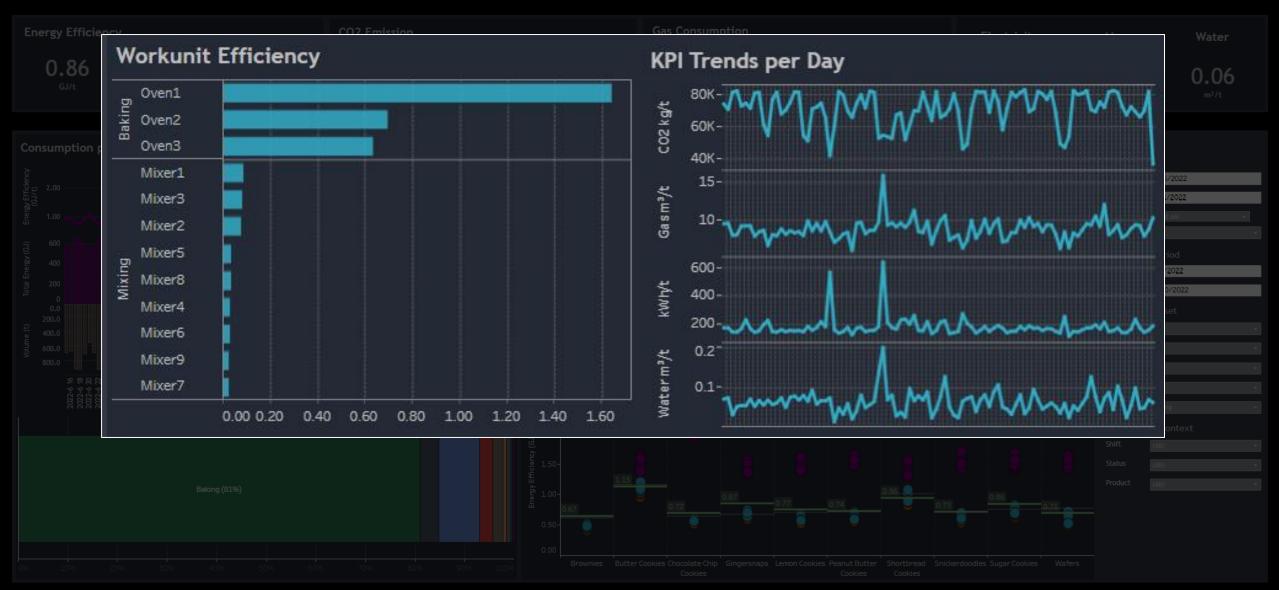












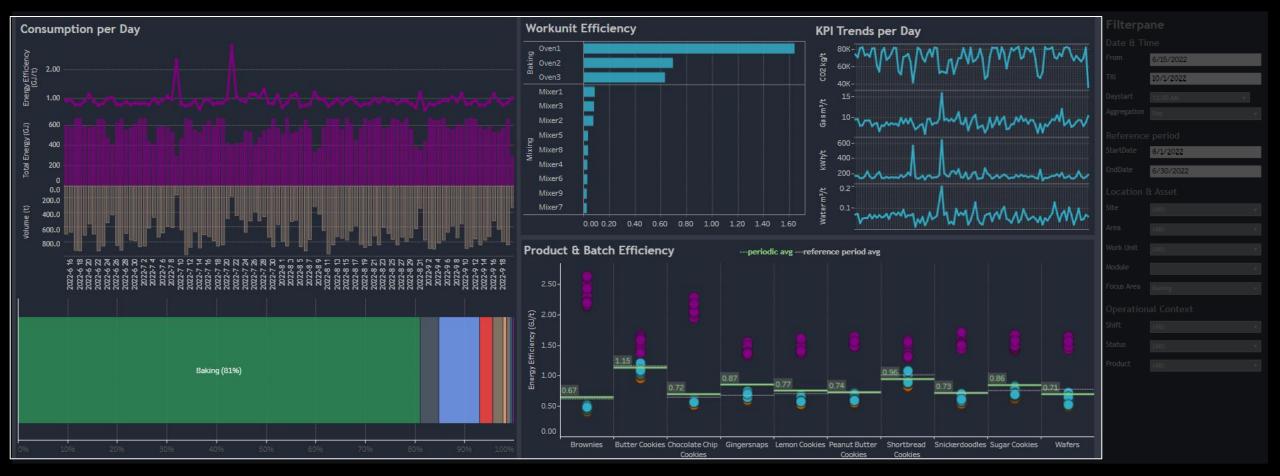




Periodic Energy Analysis



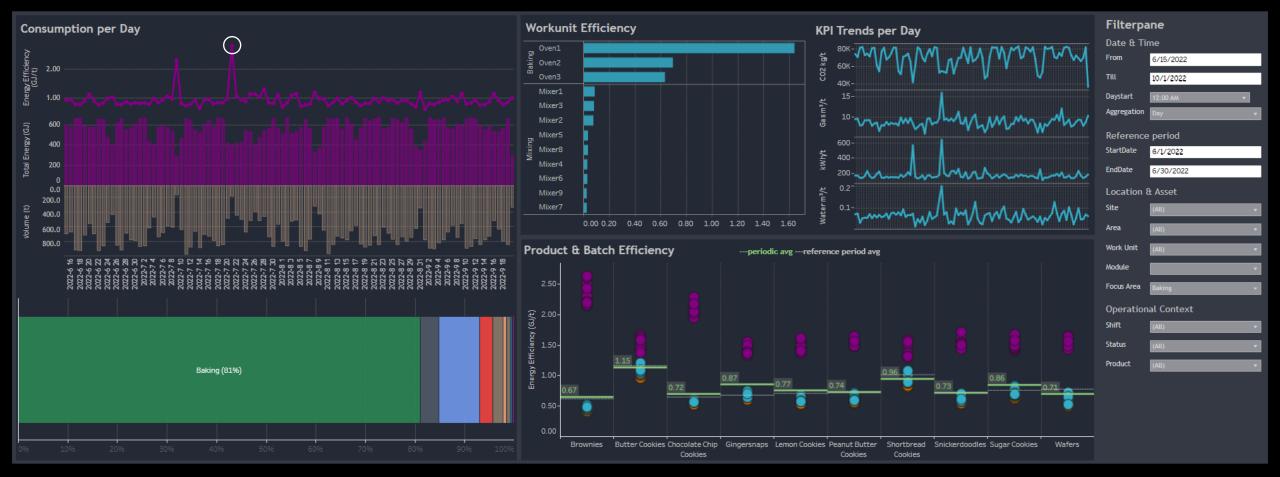




Periodic Energy Analysis



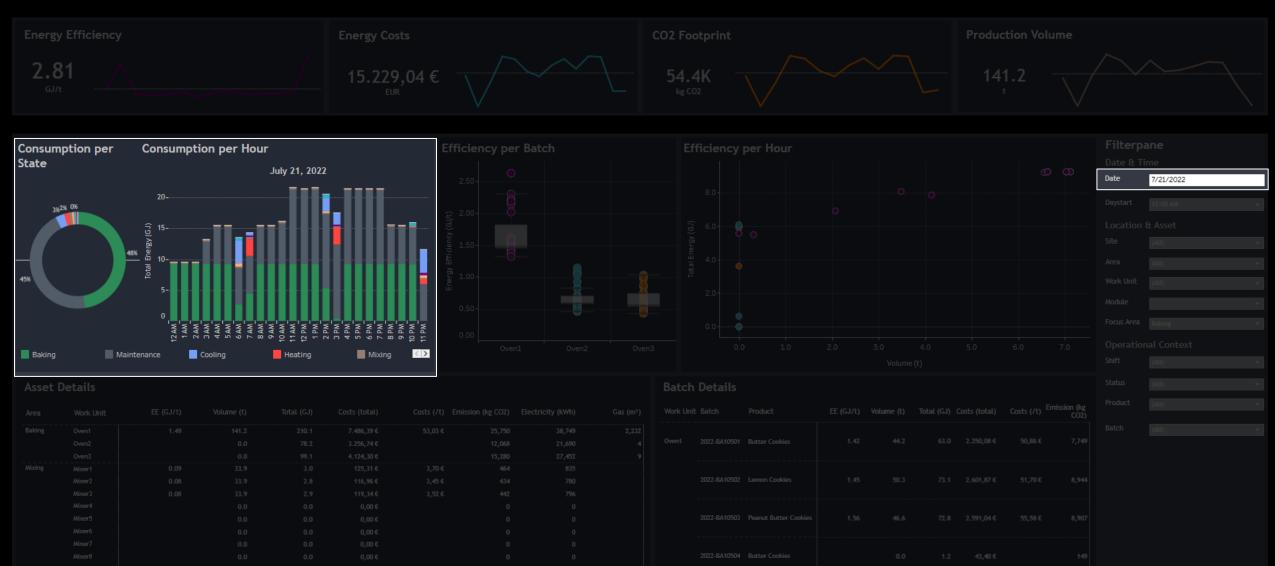












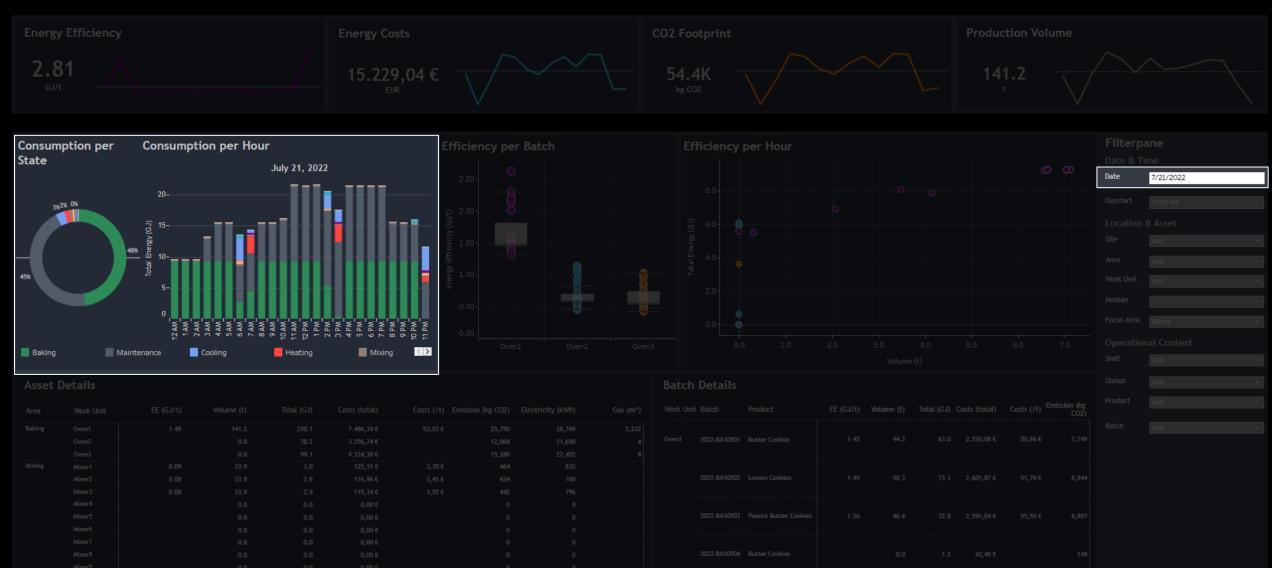














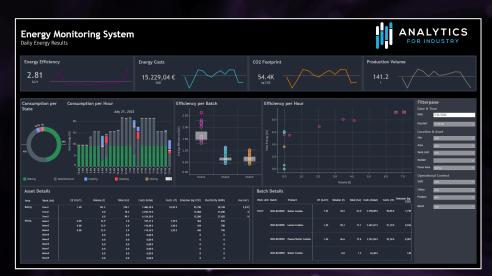


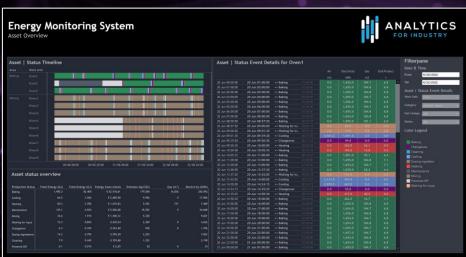






**WHAT** 







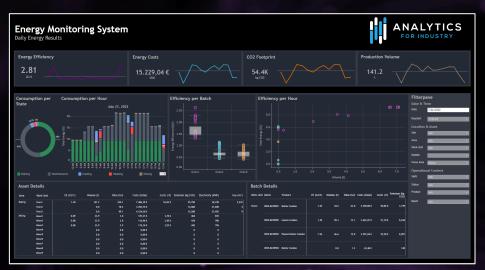


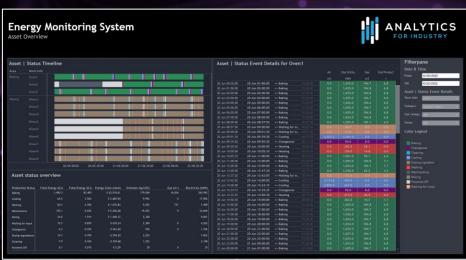




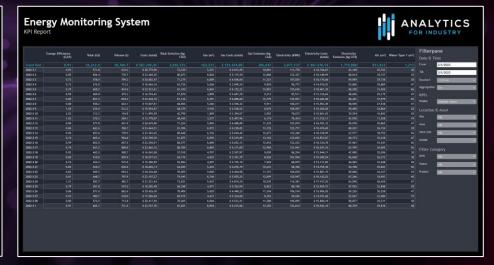


**WHAT** 















HOW

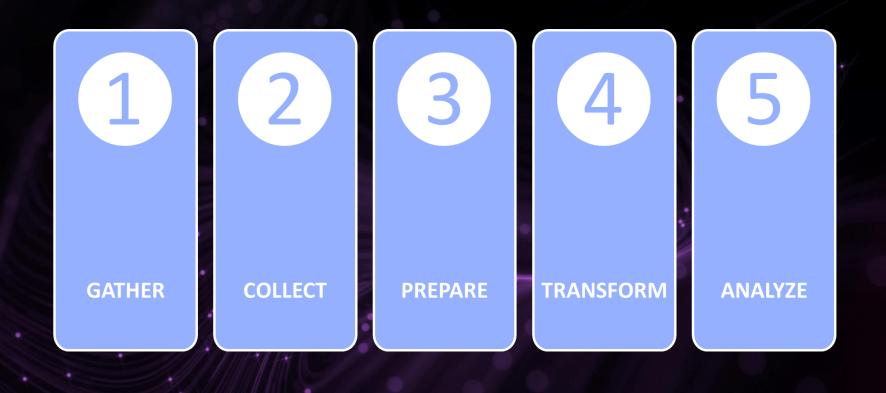


REDUCING ENERGY CONSUMPTION IN 5
SEEN FROM A FINANCIAL AND A SUSTAINABILITY POINT OF VIEW





**HOW** 







**TRANSFORM GATHER COLLECT PREPARE ANALYZE** 





1

**GATHER** 

2

COLLECT

3

PREPARE

4

**TRANSFORM** 

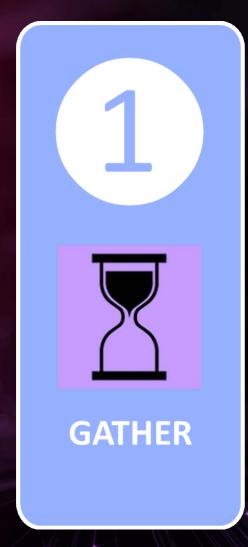


**ANALYZE** 

ANALYTICS FOR INDUSTRY | CLOUD-BASED ENERGY MONITORING SYSTEM













PRODUCT DATA | SKU DATA













BATCH DATA

SPRINT &





GATHER





1

**GATHER** 

2

COLLECT

3

PREPARE

4

**TRANSFORM** 



**ANALYZE** 

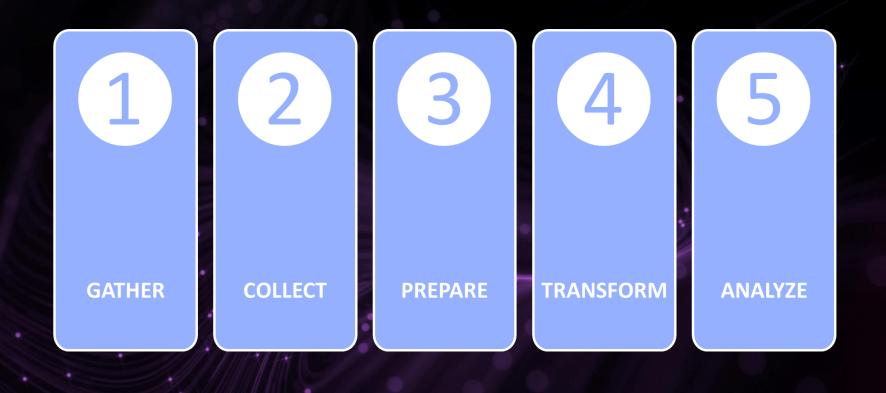
ANALYTICS FOR INDUSTRY | CLOUD-BASED ENERGY MONITORING SYSTEM







**HOW** 







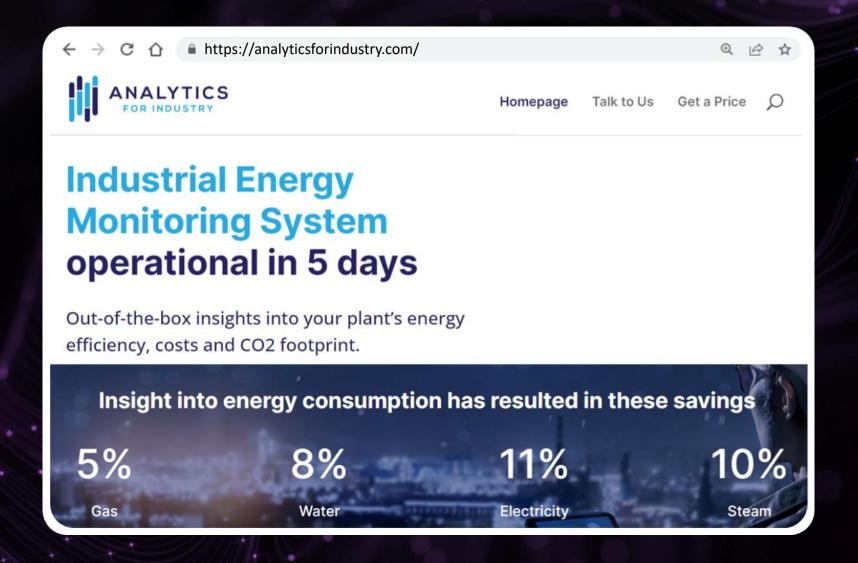




REDUCING ENERGY CONSUMPTION IN 5
SEEN FROM A FINANCIAL AND A SUSTAINABILITY POINT OF VIEW



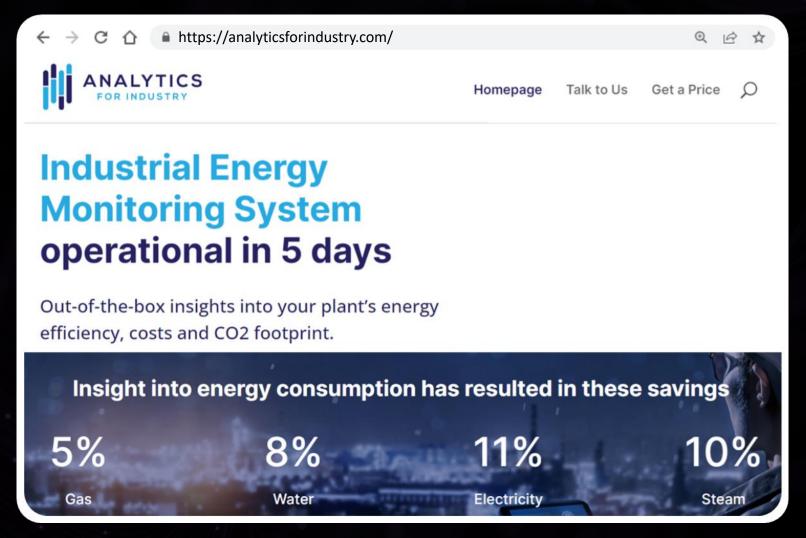










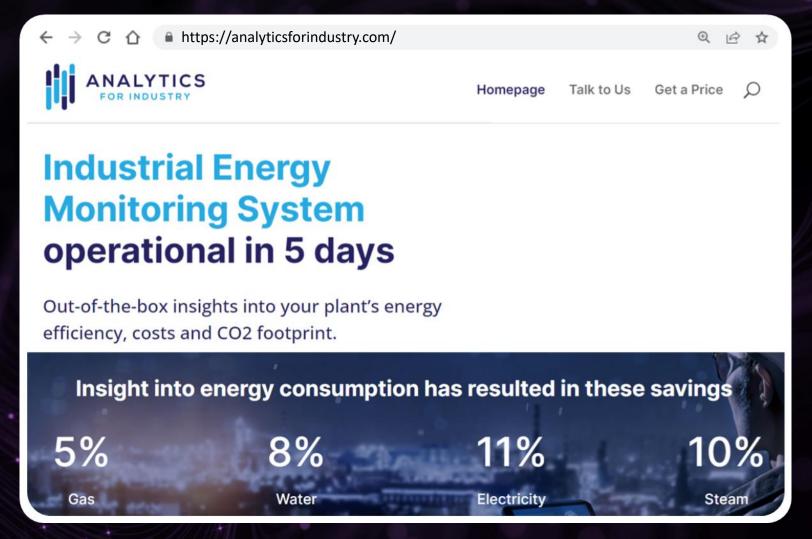


https://analyticsforindustry.com/









https://analyticsforindustry.com/





# REDUCING ENERGY CONSUMPTION IN 5

SEEN FROM A FINANCIAL AND A SUSTAINABILITY POINT OF VIEW



