Improving Safety and Productivity at Braskem With Prometheus ePAS

April 25th, 2024



Speaker Introduction



Leonardo Marques

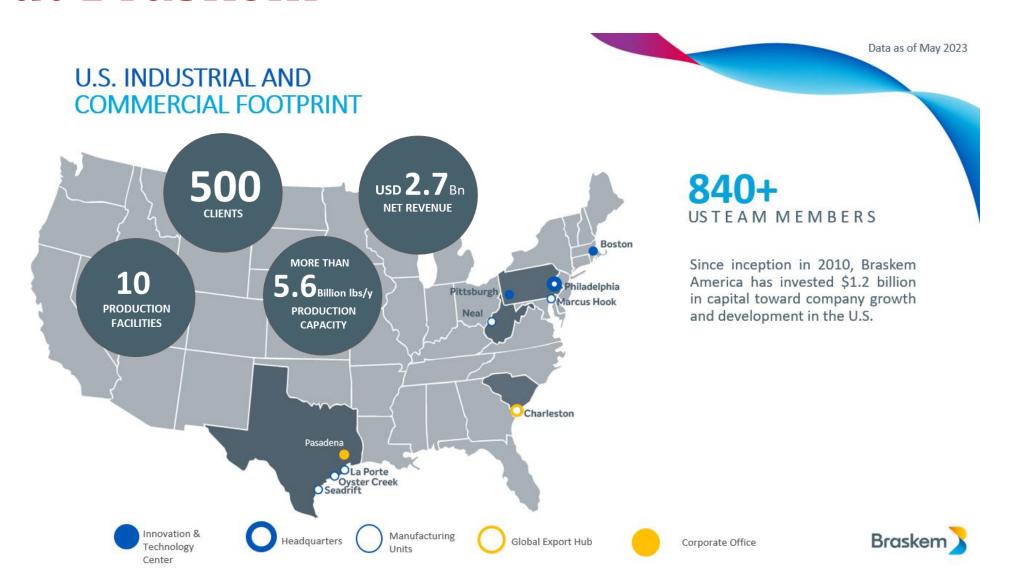
EHS Manager – Braskem













BRASKEM IN FIGURES Together, we can do more

Clients in more than

team members in feb/2023

Recurring operating result

Brazilian Reals in 2022

PRODUCTION OF APPROXIMATELY

tons in 2022

Free cash flow generation

Brazilian Reals in 2022

Invested in Innovation in 2022

153 projects

focused on generating environmental and/or social impact in 2022

benefiting from social and environmental projects worldwide in 2022

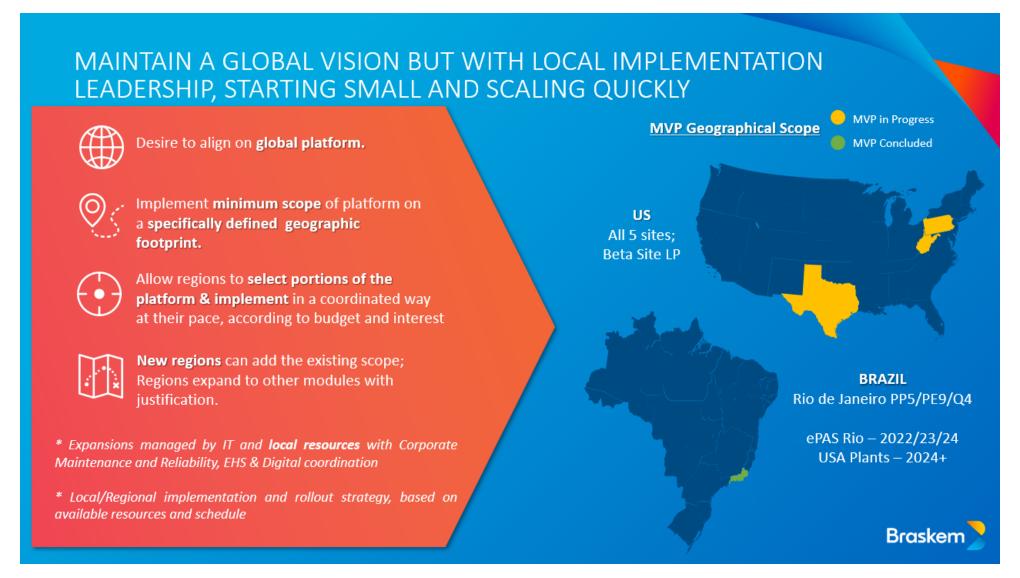
Braskem



Braskem's ePAS and HES Strategy



Braskem's ePAS + Mobility Strategy







ePAS and Digital Strategy

Digital HES Strategy in a nutshell

Part of our strategy is to define leading KPIs that help us to identify if we are advancing towards our vision!

"Transition to a future where the human contribution to work is optimized, protected, and sustainable"

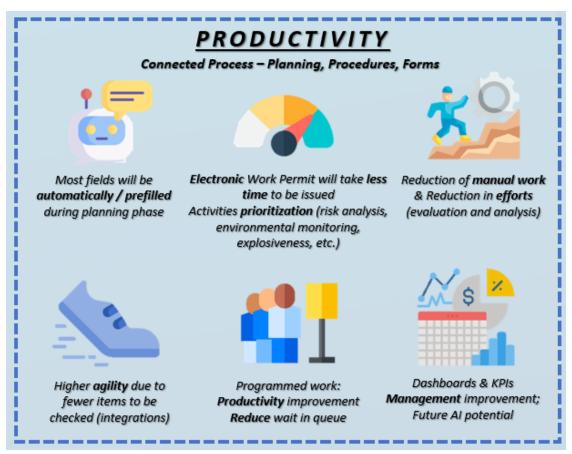
"Create a sustainable and incident free work environment through human reliability, safety and environmentally driven digital solutions."

(i) Reduce human exposure to risk, (ii) Identify and prevent hazardous situations, (iii) Improve competency and knowledge, (iv) Adherence to Procedures/processes

Think Big, Start Small and Scale Fast!

ePAS and Braskem - Safety and Efficiency



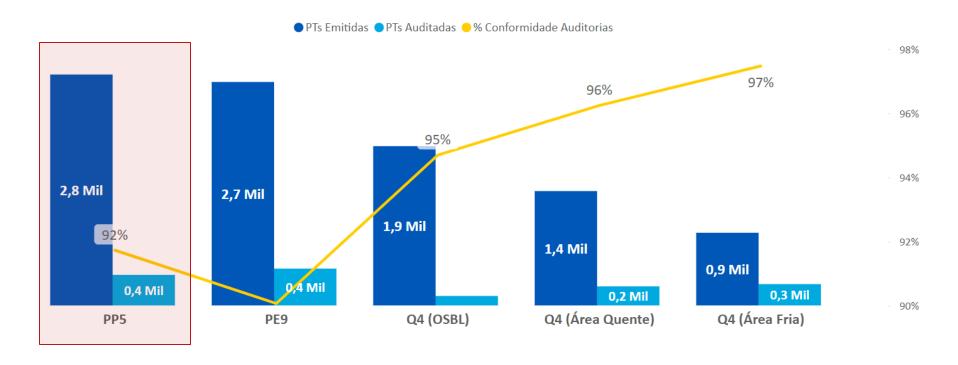




ePAS in Rio – Figures and KPIs



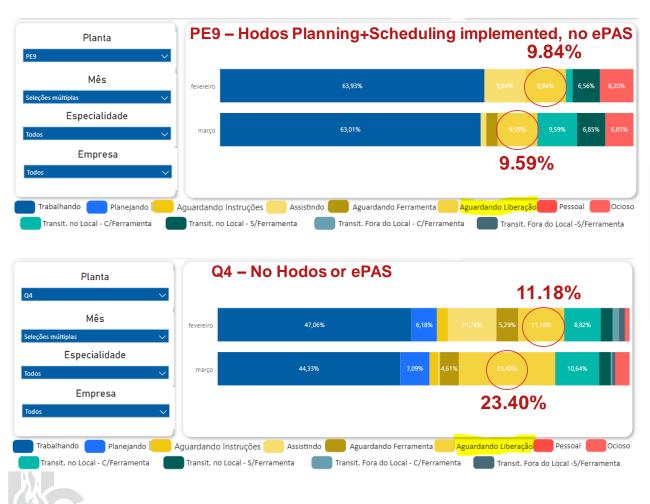
Work Permit Auditing Numbers – 2023

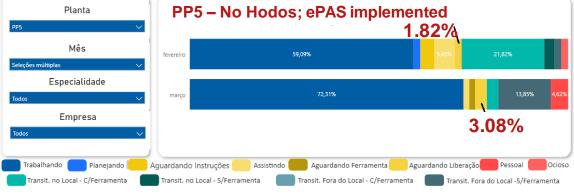


Conformity compatible with other plants without ePAS – though many of the deviations were due to the project's implementation. 2024 numbers have been gravitating towards 98% conformity so far

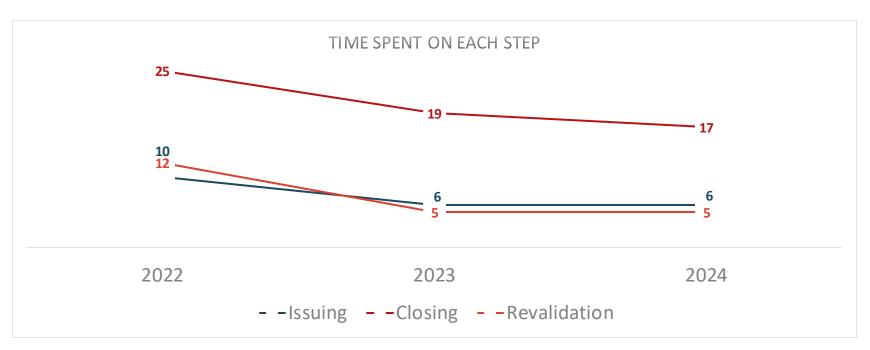


Productivity - Time Waiting for Permit





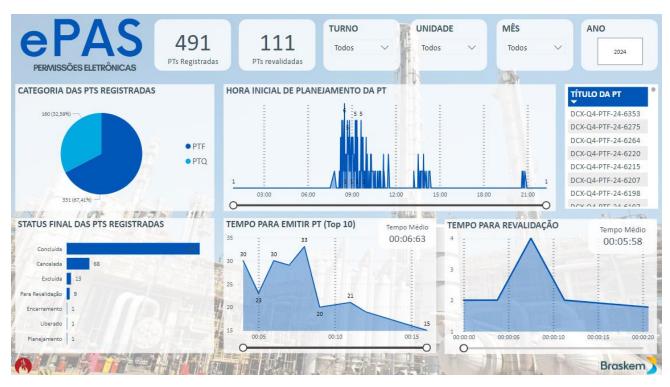
Average PTW Issuing Time Within ePAS



 Year over year after the initial Go-Live, users have shown greater familiarity with the tool, reducing even more the already shorter time spent on each step of the permitting process



ePAS Data Management Integration



- ePAS enables independent data retrieval and evaluation of each permits' stage
- Data recorded on the platform can be analyzed using Macros/Excel/PowerBI
- Faster data retrieval: simply download/update reports from the database
- Physical Work Permits require manual counting and consume significant man-hours
- Analysis of physical permits demands additional effort to provide relevant data
- ePAS facilitates extraction and analysis of both quantitative and qualitative data

ePAS PowerBI—configured and ran by Braskem's local team using Prometheus' data





"In every aspect of the solution, our intent was to make it as easy as possible for people to do the right thing."



Thank You!

Questions?



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