

Workshop “Tecnologias ambientais alemãs para o abastecimento de água potável e disposição de águas residuais no Brasil”



**AHK**

Deutsch-Brasilianische  
Industrie- und Handelskammer  
Câmara de Comércio e Indústria  
Brasil-Alemanha

# INNOVATION FOR SUSTAINABILITY AT SANEPAR

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# WHO IS SANEPAR?

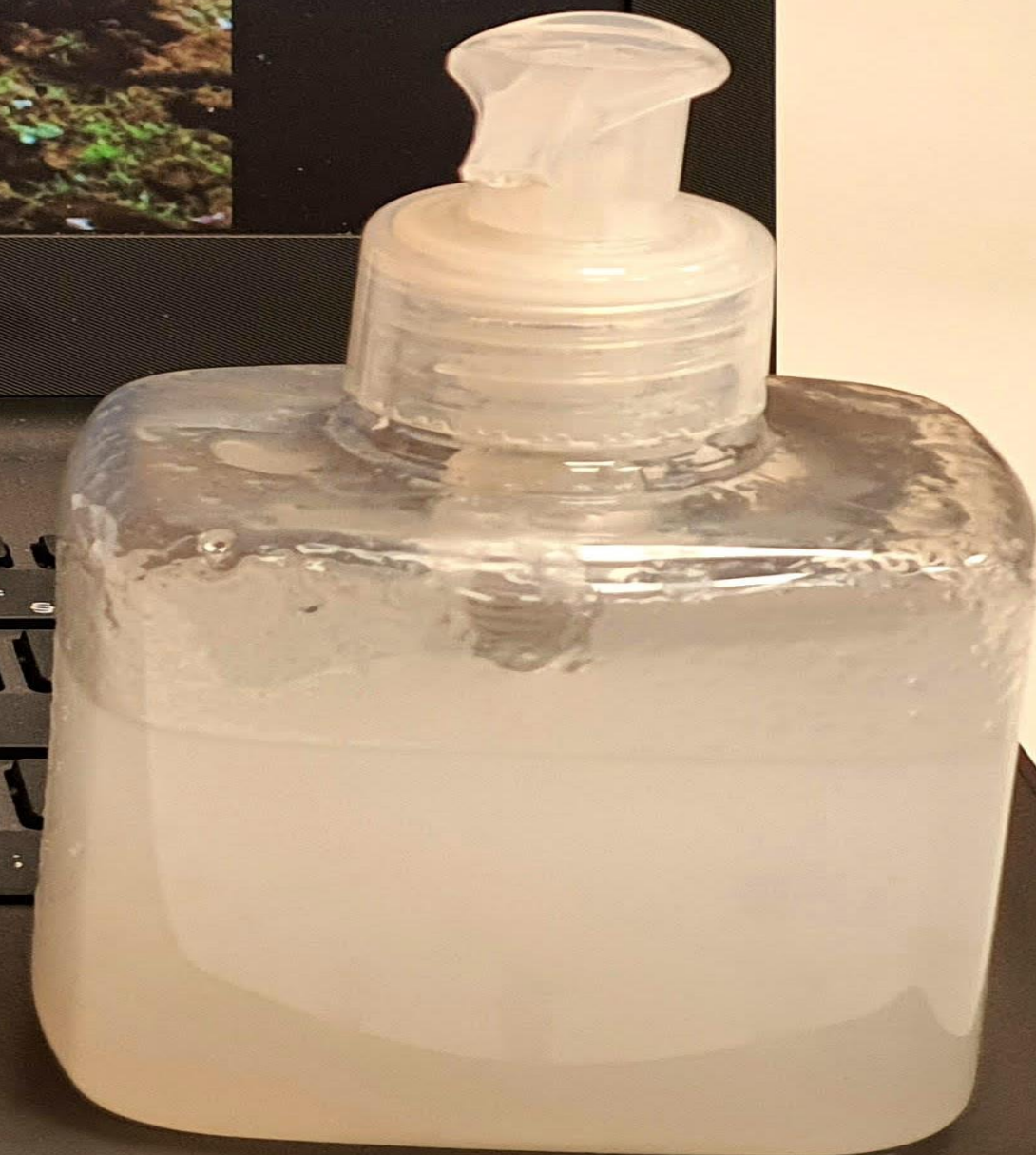


## OUR MISSION:

“Ensuring environmental sanitation services in a **sustainable** and **innovative** way, contributing to economic and social **development**”

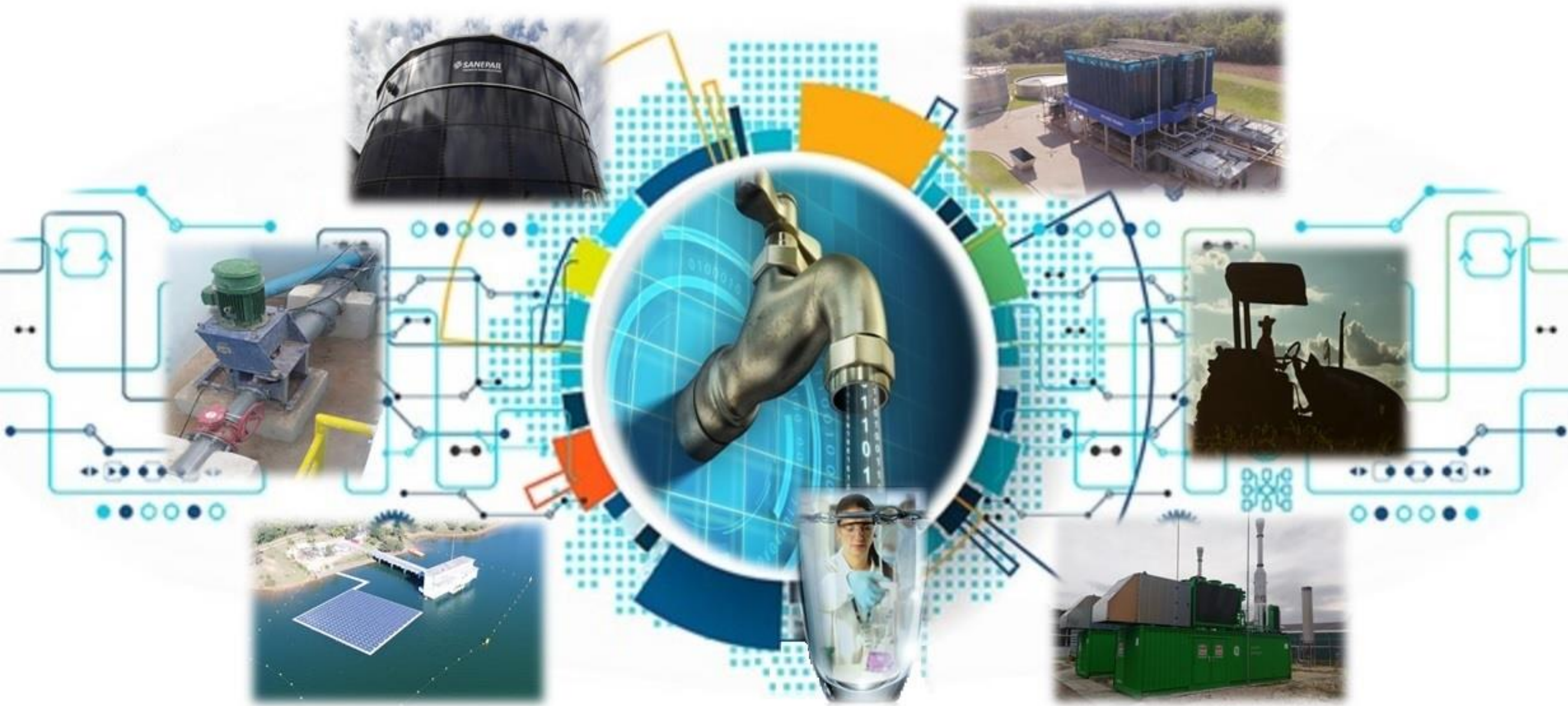


# THE "NEW NORMAL" ...





# INNOVATION FOR SUSTAINABILITY





# SANEPAR' PURPOSE



*“We need **INNOVATION** to provide **HEALTH** for the **PEOPLE!**”*



# SANEPAR SUSTAINABLE TECHNOLOGIES CENTER





# R&D+i PROJECTS



WATER



SEWAGE

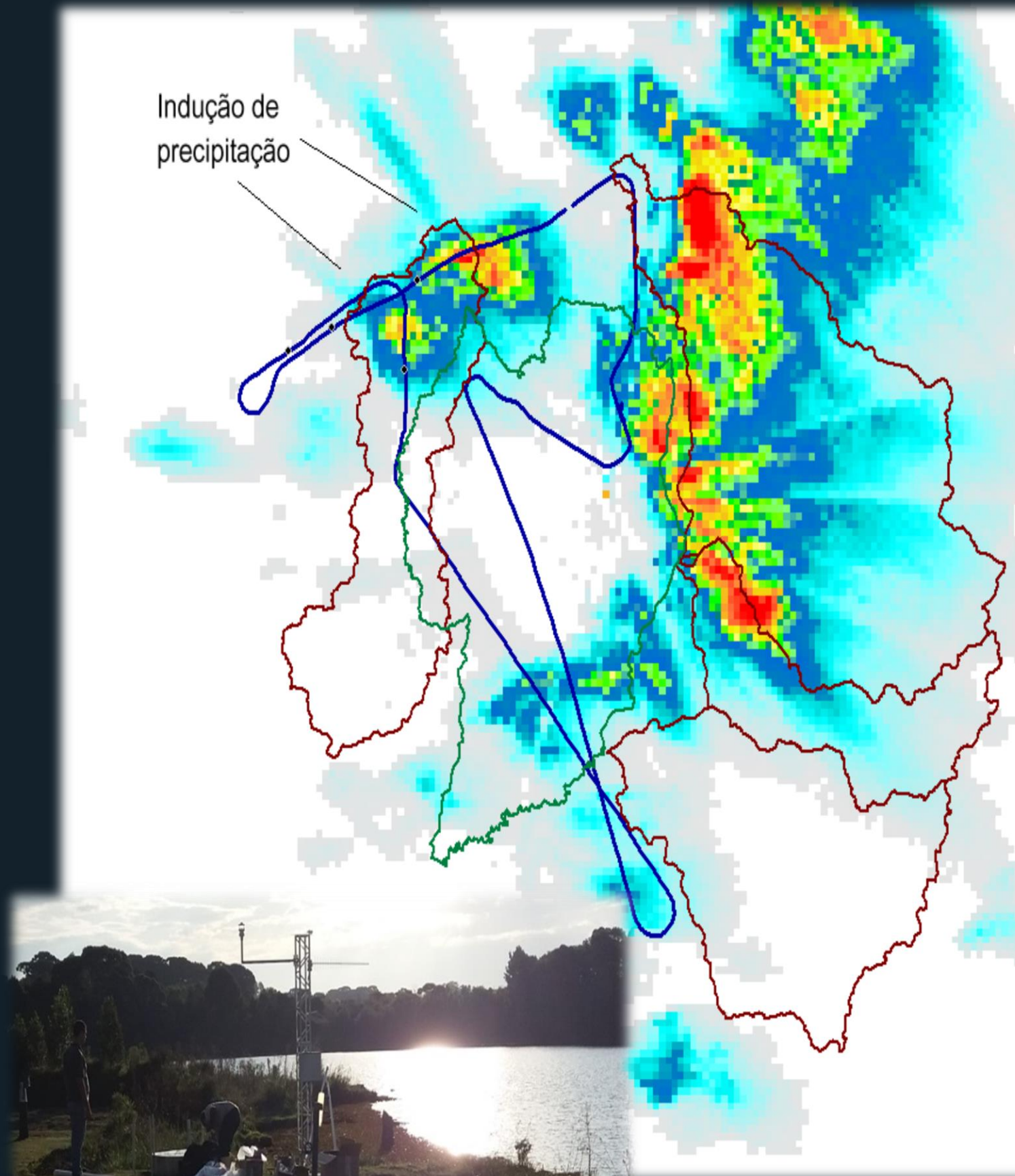


SOLID WASTE

ENERGY, AUTOMATION AND MANAGEMENT

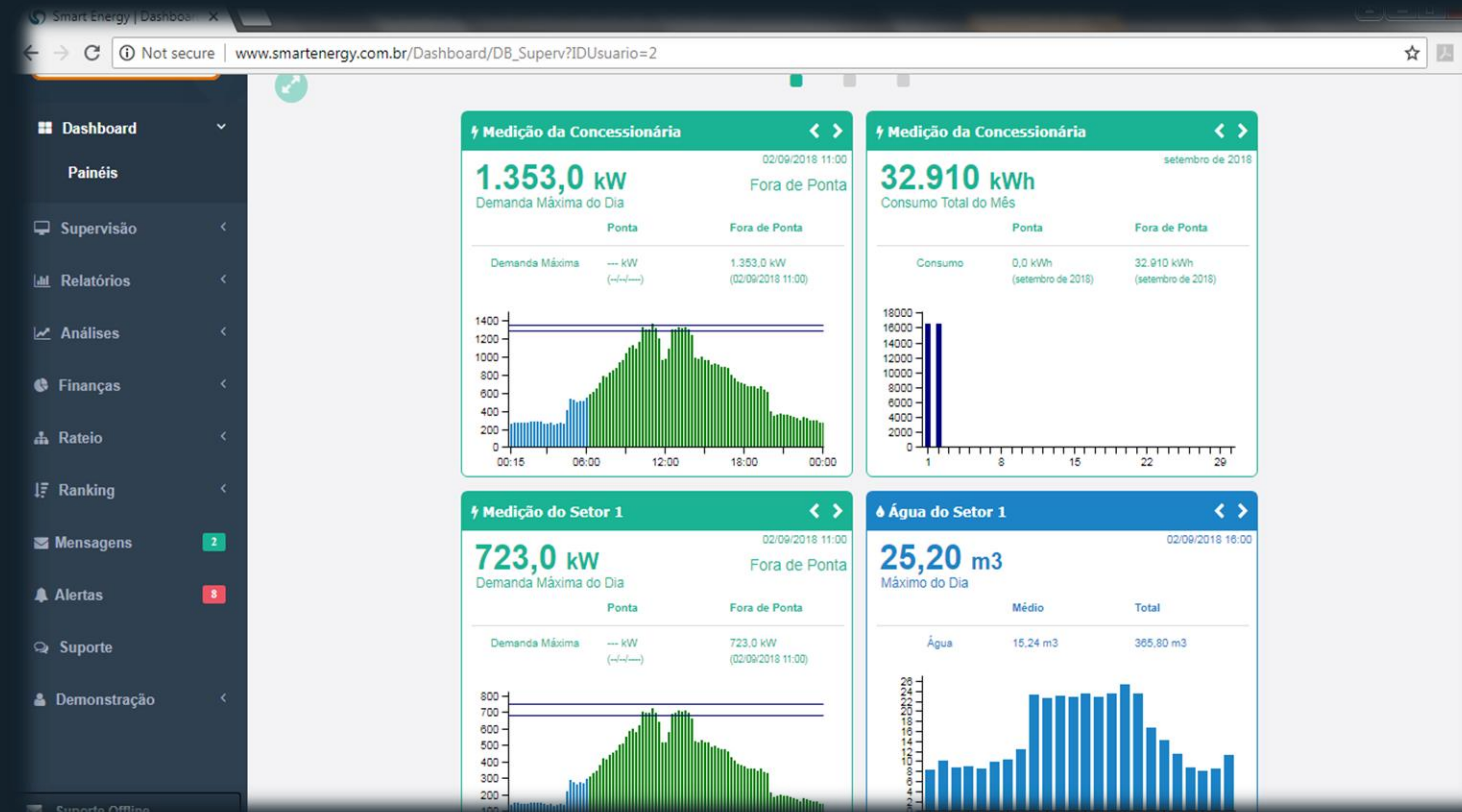
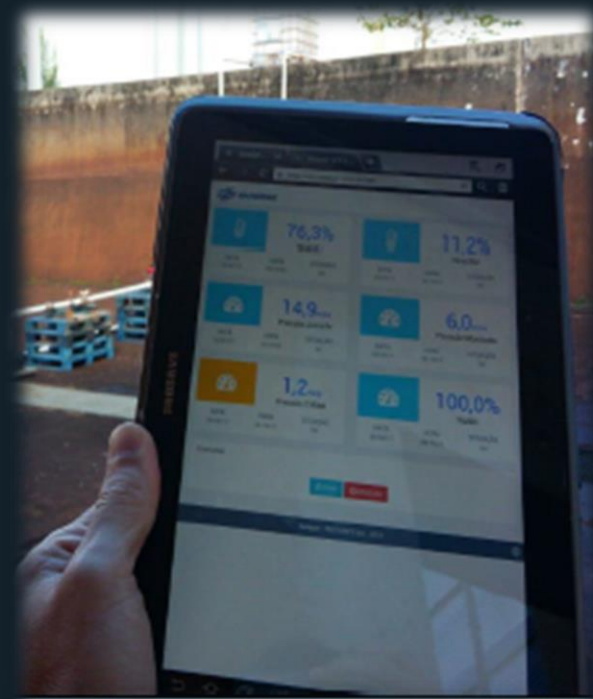
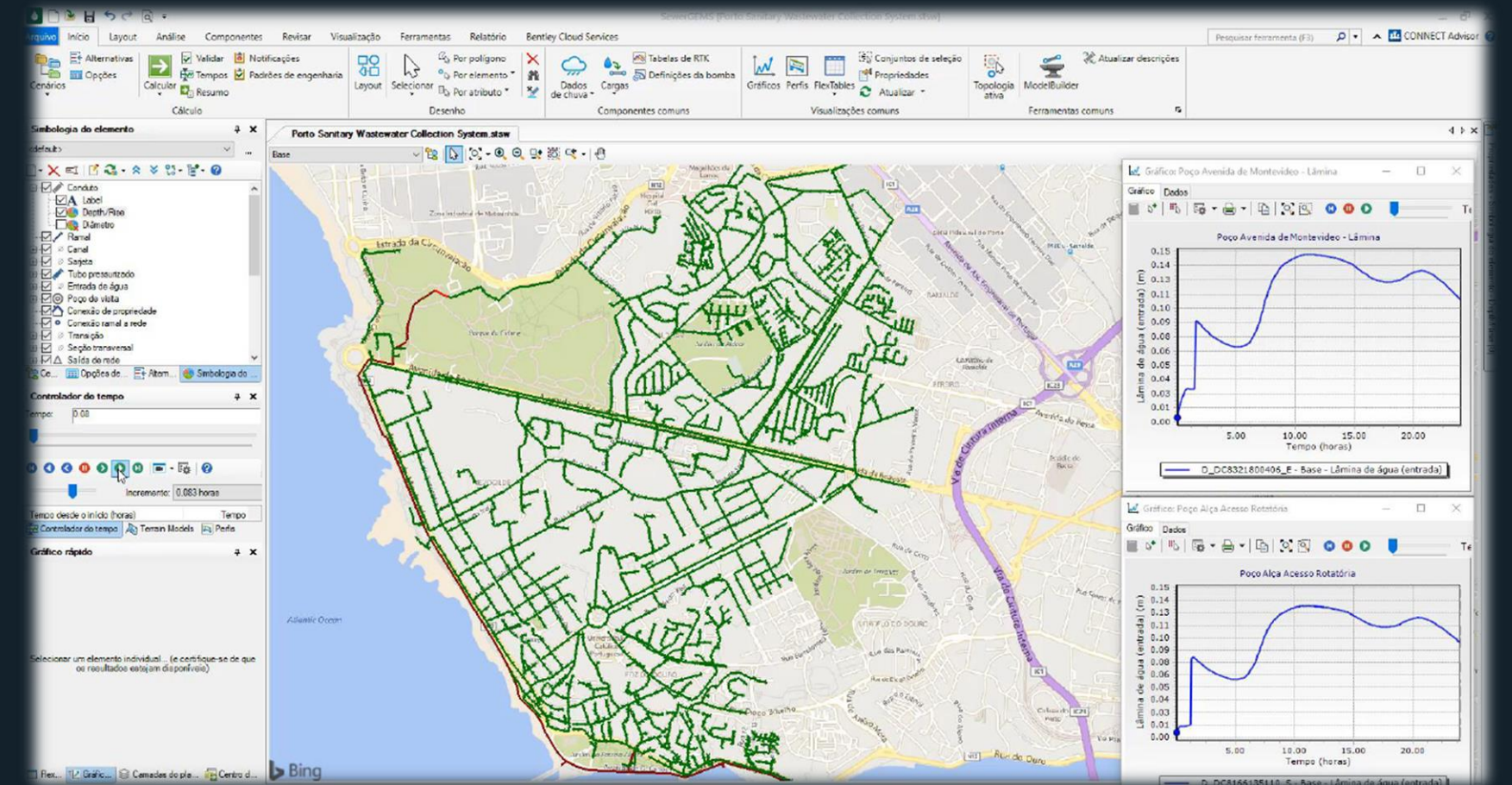
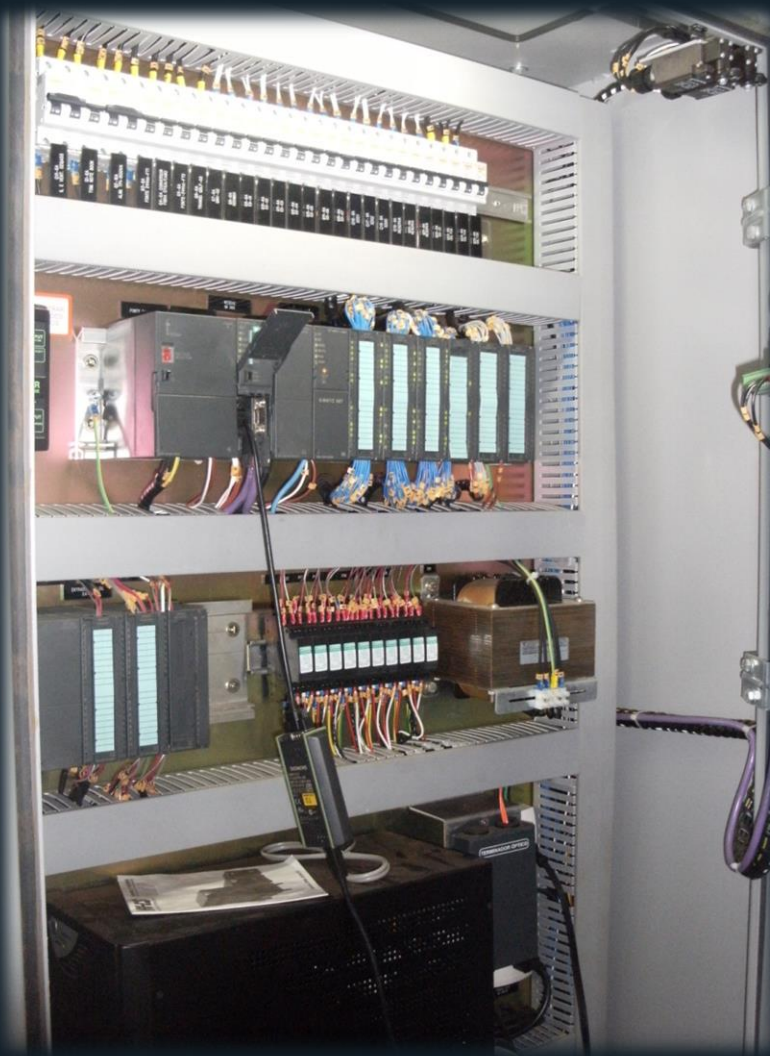


# WATER BODIES MANAGEMENT





# FROM IoT TO INFORMATION





# AGRICULTURAL USE OF THE SLUDGE



> 300.000 tons  
in Paraná State (2007 - 2021)





# ENERGETIC USE OF BIOGAS







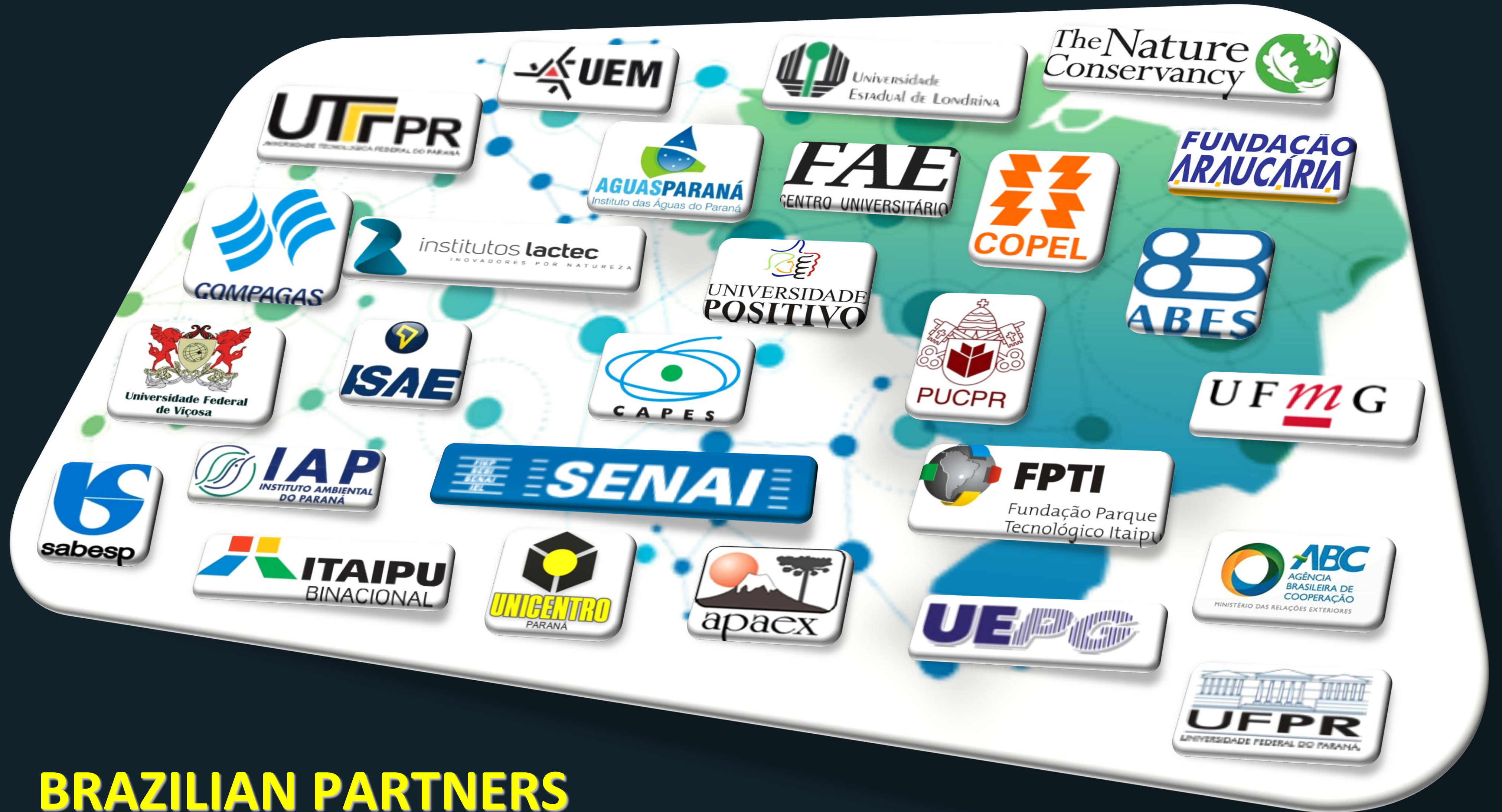
**RENEWABLE ENERGY**



# NEW SOLUTIONS TO TREAT SEWAGE







**BRAZILIAN PARTNERS**



# INTERNATIONAL PARTNERS





# CHALLENGES AND OPPORTUNITIES



- ✓ **Energy efficiency**
- ✓ **Smart water**
- ✓ **Reduction of water losses**
- ✓ **Conservation of water sources**
- ✓ **Sewage treatment in small cities**
- ✓ **Rehabilitation of water networks**
- ✓ **Circular economy**
- ✓ **Infrastructure sharing**



**# GO AHEAD!**





# THANKS!



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