

BETTER WATER. BETTER WORLD.®

Tren Maya Wastewater Treatment Plant

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PROJECT OVERVIEW:



LOCATION:

Train Station in Puerto Morelos, Quintana Roo, México

PROJECT NAME:

Tren Maya

INSTALLATION YEAR:

2024

TREATMENT CAPACITY:

50,000 GPD

AVERAGE FLOW:

2.46 LPS

APPLICATION:

Commercial

DISTRIBUTOR:

Hidro PCI; Mexico City

FACILITY OWNER(S):

Tren Maya, S.A. de C.V.
operated by SEDENA

EQUIPMENT USED:

- x1 MyFAST® 2.0
- x1 MyFAST® 3.0
- x1 AMS® 5.0
- x1 BMS® 5.0

MANUFACTURER:

BioMicrobics Inc.



**TREN
MAYA**
TSÍMIN K'ÁAK

TREN MAYA

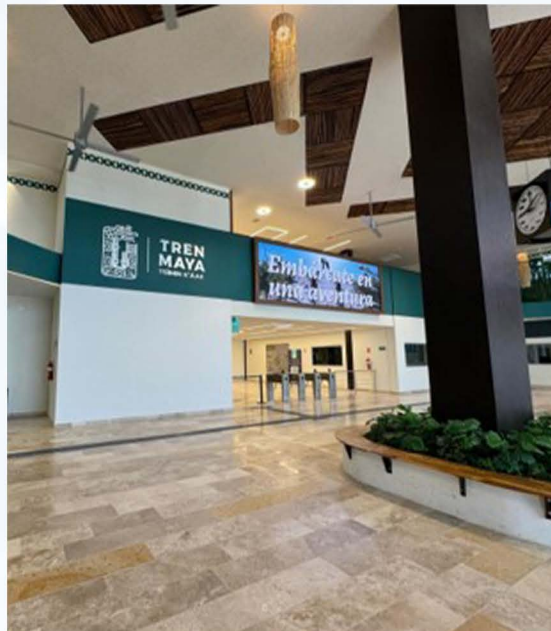
The Tren Maya is a 1,554 km (966 mi) long railway which passes through 29 stations within 5 south-eastern states in Mexico, one of which being located in Quintana Roo. This station required a wastewater treatment plant that was able to treat all of the sanitary wastewater being generated from the train station from passengers, office and maintenance employees. The station averaged a flow of 2.46 LPS, and the WWTP's treatment capacity being 50,000 GPD



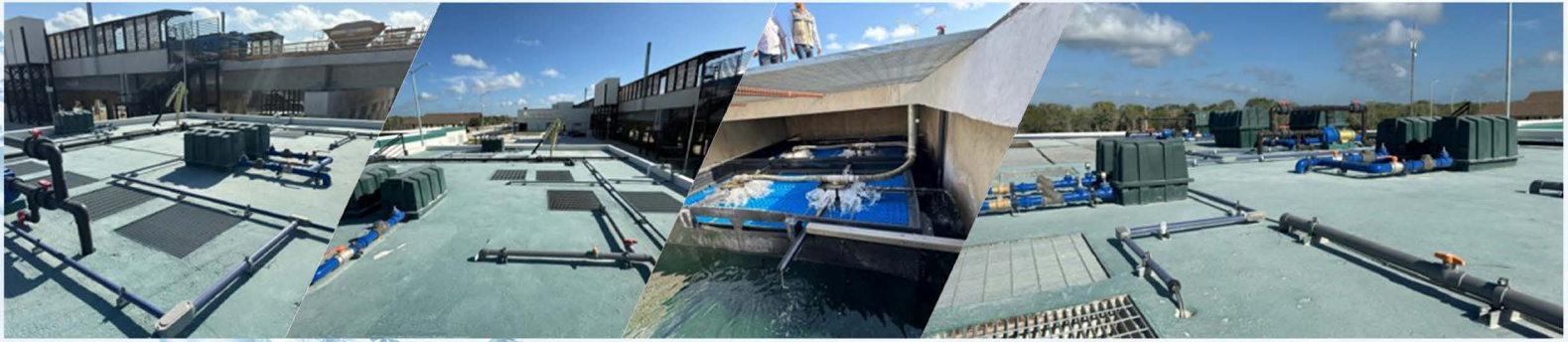
THE CHALLENGE

One of the main challenges was the environmental impact that this project would cause. There was a strong social pressure to preserve the flora and fauna of the natural environment.

Having reliable technology for the treatment of sanitary wastewater and its reuse in the train station was of high importance, which was resolved with BioMicrobics technology with compliance to the federal and local regulations.

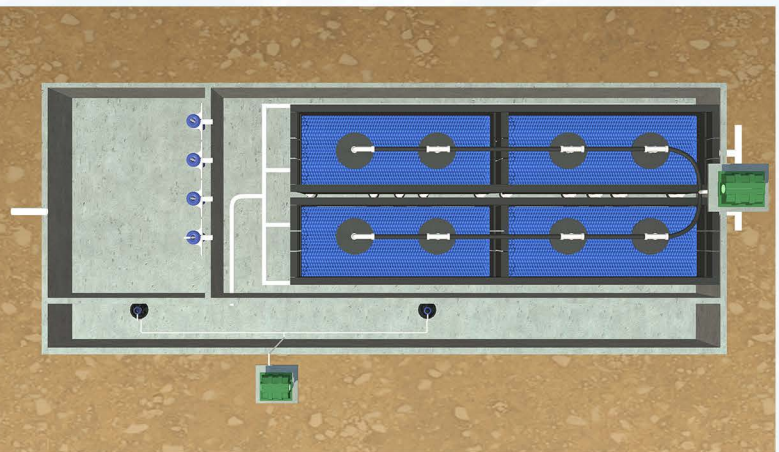
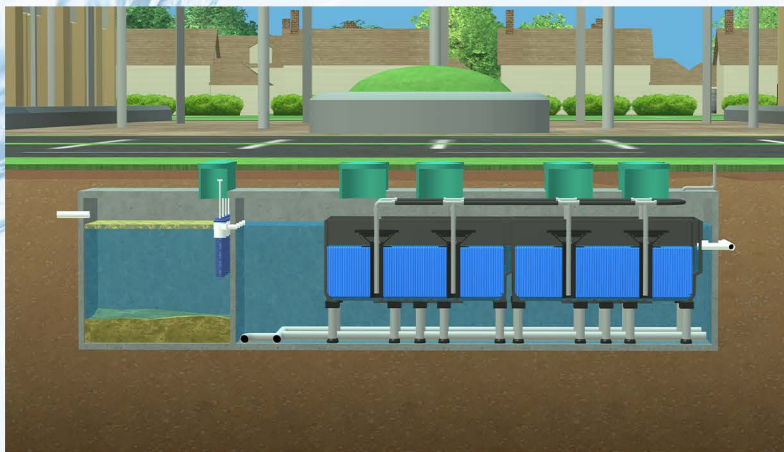


S I M P L E . L O W C O S T . R O B U S T .



MyFAST[®] wastewater treatment systems

MyFAST[®] is a larger FAST system that is engineered for the needs of onsite wastewater treatment with flows in the 10,000 to 160,000 GPD. This advanced wastewater treatment system uses Fixed Activated Sludge Technology (FAST) to break down organic material and nutrients in wastewater. Advantages of the system include but are not limited to: No full time operator needed, all submerged components are permanent, no moving parts under water, achieves secondary effluent standards and nutrient reduction, etc. Applications include: Multi-Family Properties, Clustered Subdivisions, Small Municipalities and High Strength Commercial Applications.



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