

## case study

# INDUSTRIAL FACILITY

Energy Toolbase and FRV launch pioneering 'Energy-Storage-as-a-Service' model for Mexican industrial sector



## THE CHALLENGE

Fotowatio Renewable Venture (FRV), the second-largest developer in Mexico, was searching for a solution that would provide commercial and industrial (C&I) customers with an ideal and cost-efficient method to reduce grid congestion, balance electrical systems, and mitigate the impact of intermittent renewable generation. FRV had selected Energy Toolbase's Acumen EMS™ to join a partnership for the first project based on an 'Energy Storage-as-a-Service' model focused solely on the Mexican industry that will optimize energy consumption and savings for the end customer.

## THE SOLUTION

FRV had selected Energy Toolbase's Acumen EMS™ to join a partnership for the first project based on an 'Energy Storage-as-a-Service' model focused solely on the Mexican industry that will enable the optimization of energy consumption and savings for the end customer. This first system deployed through the model in Mexico City is a 480kW system using a BYD CHESS unit, controlled by Acumen EMS to optimize the site's power factor, provide savings, and improve the quality of the industrial facilities' electrical service. The system will not only save customers money and improve power quality but will also relieve the strain on the grid that their heavy consumption of electricity can cause, especially at peak times. This is FRV's first major energy storage project in Mexico under the EnSaaS model and will be used as a replicable model for more projects across Mexico and promises to revolutionize the Mexican industrial electricity market.

## PROJECT SUMMARY



### LOCATION

Mexico City, Mexico



### DEPLOYMENT DATE

Q1 2022



### ESS PROVIDER

BYD



### COMBINED SYSTEM SIZE

480 kW/1,064kWh total ESS capacity for first project



### FACILITY TYPE

Industrial Center



### EMS APPLICATIONS

Demand Charge Management



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