



GREENANT



IoT Energy Monitoring



Energy Management Made Easier

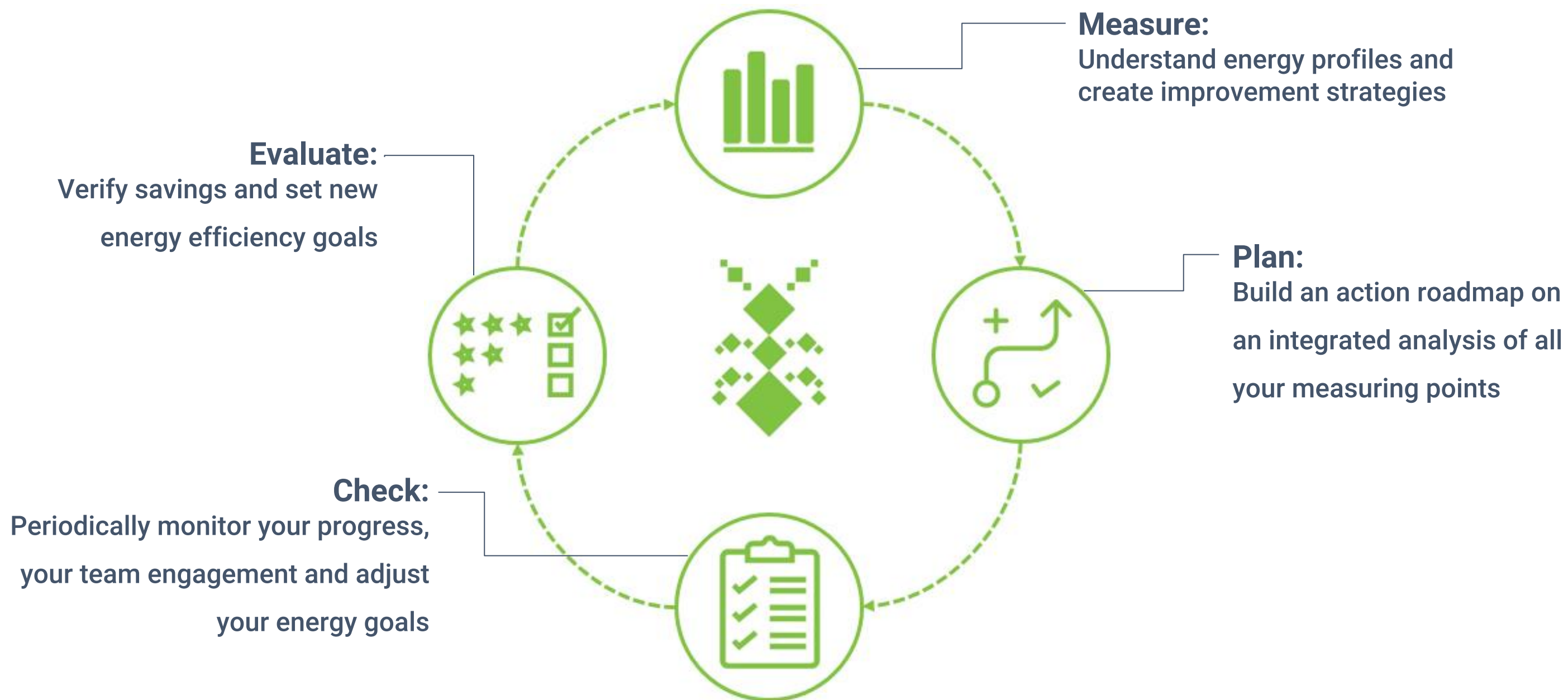
We deliver the right information for you to:

- Worry-free **split energy bills** between different consumers under the same contract
- **Avoid surcharges** on your energy bill
- **Better fit your energy contract** according to your consuming profile
- Spot the sources of your **energy wastes**



Become a *Chief Energy Officer*

GreenAnt's solutions provide all the necessary data for an energy-efficiency-driven management



Market

GreenAnt started its business operations in 2017 and is achieving success cases on a variety of market segments



Sistema GreenAnt



IoT Meter

- GreenAnt smart meter is installed on circuit breakers in a simple and non-intrusive way
- Consumption data is sent for cloud processing through Wi-Fi connection



Cloud Processing

- We analyze measurements to extract relevant information and perform pricing calculations based on different energy contracts



Online Dashboard

- GreenAnt's online platform provides real-time information and has a variety of management tools that help consumers understand and tailor energy usage routines

Smart Meter

Simple and non-intrusive
installation in circuit breaker panel.
Accurate consumption data is sent
for cloud processing through **Wi-Fi**
Connection



Installation does not require interruptions or
changes in the electrical network

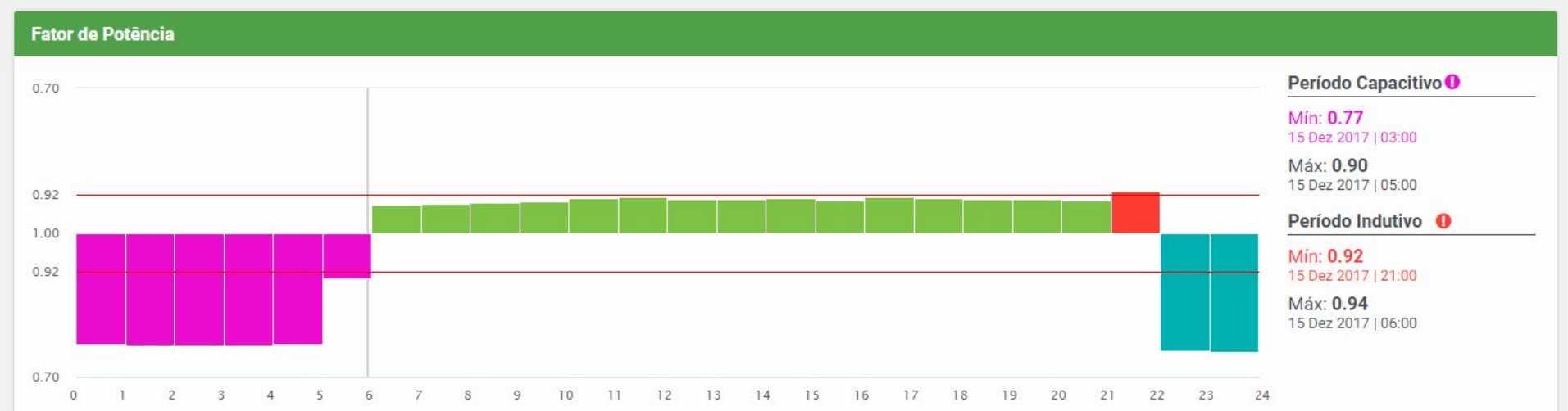
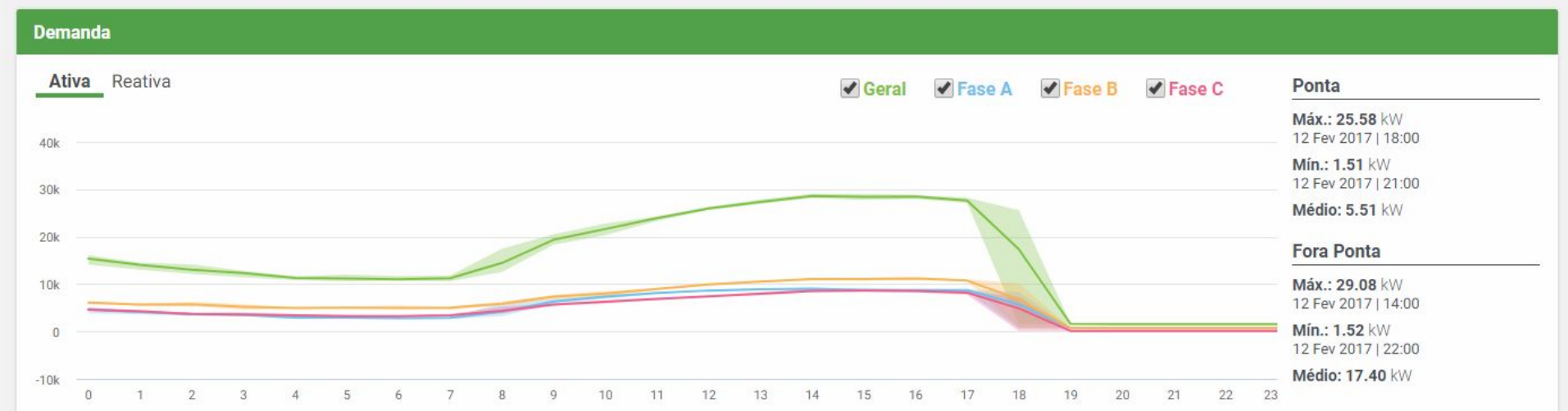
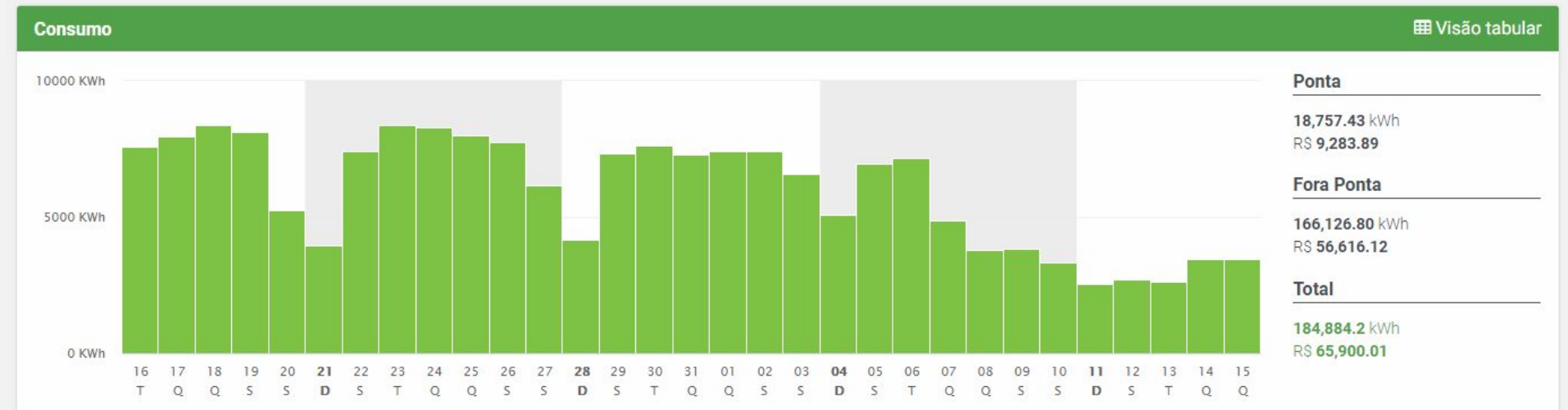
Energy Management Platform

GreenAnt's Dashboard displays real-time information and has a variety of management tools that help consumers understand and tailor energy usage routines.



Energy Management Tools

- Visual representation of energy quantities
 - Energy Consumption
 - Active and Reactive Power
 - Power Factor
- Consumption Forecasting using Machine Learning Techniques
- Email and SMS alerts
- Simulation of energy bills based on different contracts
- Automatic energy reports via email
- Spreadsheet data export
- Open API

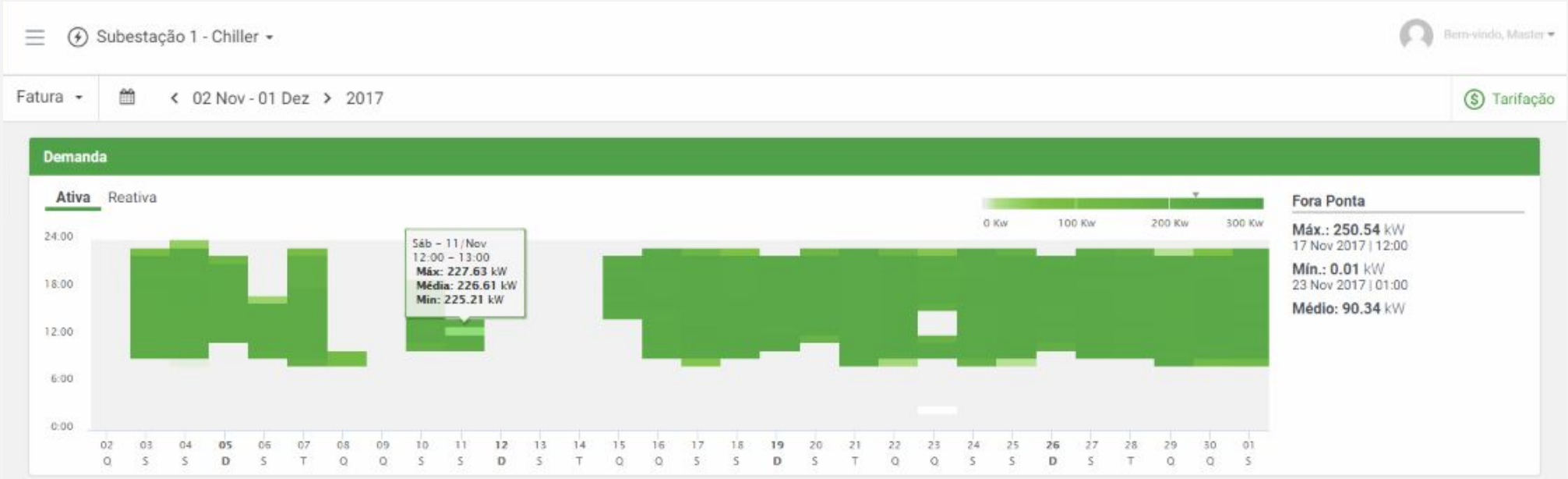


Cases

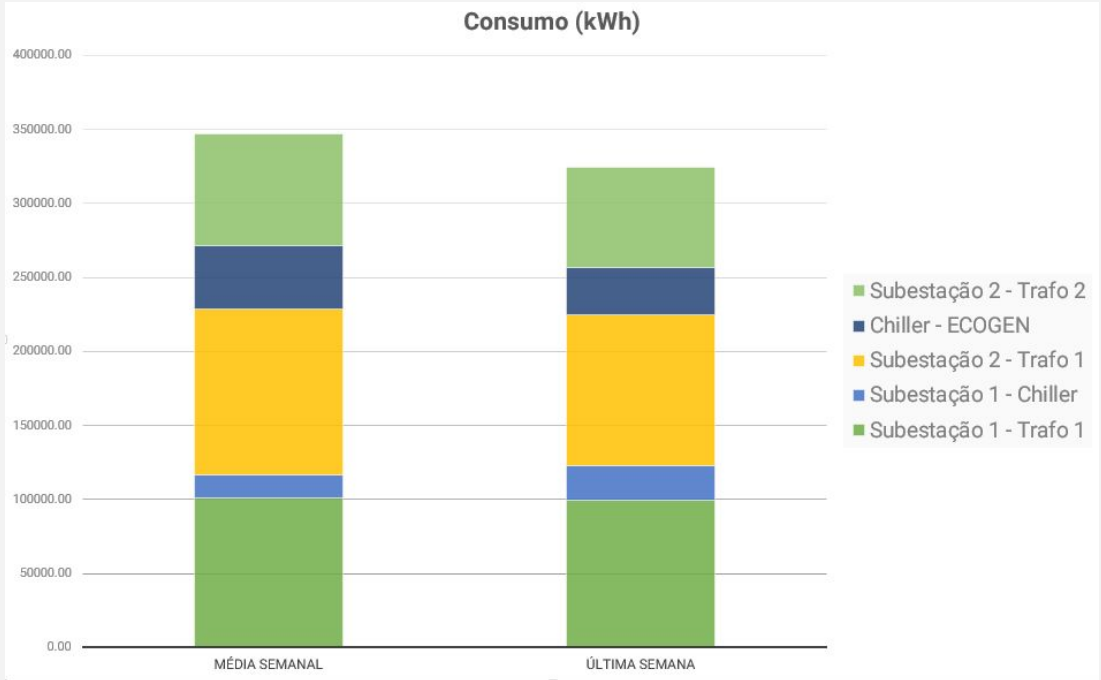
Case 01

Shopping Mall: Maintenance of operational standards. Consumption and Demand sectorization

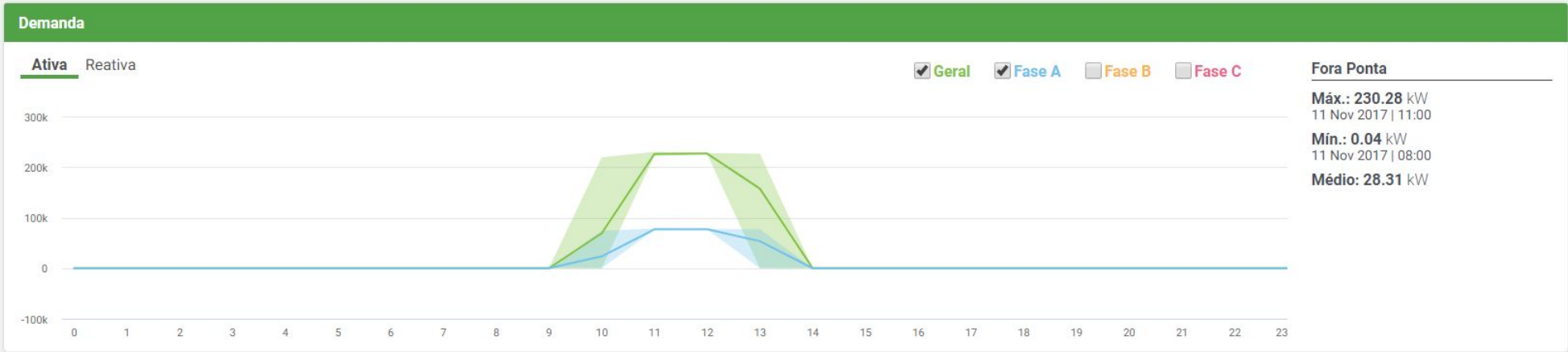
Monthly Chiller Energy Usage



Consumption Breakdown



Chiller's Daily Power Curve

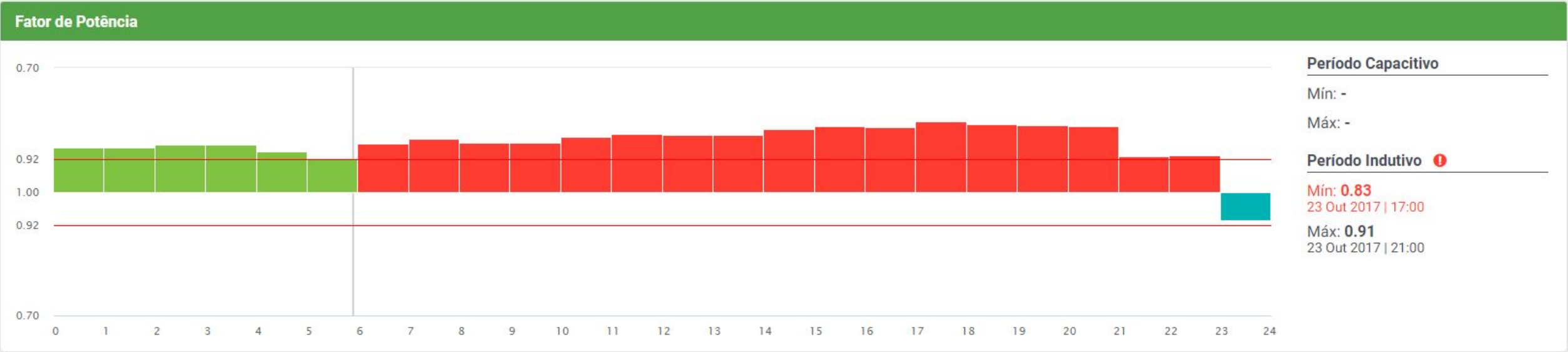


Brasco 28 Out - 27 Nov					
Ponto de Medição	Potência Agora	Consumo	Despesa		
▼ <div>Todos</div>	32.2 kW	34,133.4 KWh	R\$ 32,137.04		⚙
^ <div>Galpões</div>	11.3 kW	11,361.2 KWh	R\$ 10,693.18		⚙
<div>Galpão 1 Statoil M&M (LON)</div>	1 W	180.1 KWh	R\$ 176.44		⚙
<div>Galpão 5 Ex-Chevron (ALV)</div>	4 W	258.1 KWh	R\$ 207.41		⚙
<div>Galpão 2 Statoil FPSO (ALV)</div>	1.5 kW	1,580.3 KWh	R\$ 1,259.81		⚙
<div>Galpão 6 Statoil Peregrino (ALV)</div>	9.8 kW	9,342.7 KWh	R\$ 6,966.03		⚙
▼ <div>Cais</div>	284 W	5,204.1 KWh	R\$ 4,899.85		⚙
▼ <div>Escritórios</div>	20.6 kW	17,568.2 KWh	R\$ 16,544.00		⚙

Case 03

Supermarket: Calculation of ROI on the purchase of capacitor bank

Antes



Depois



Case 04

Drugstore: Operational anomaly alert

Dia ▾

 < Ter 23 > Jan 2018

[< Voltar para Fatura](#)

 Tarifação



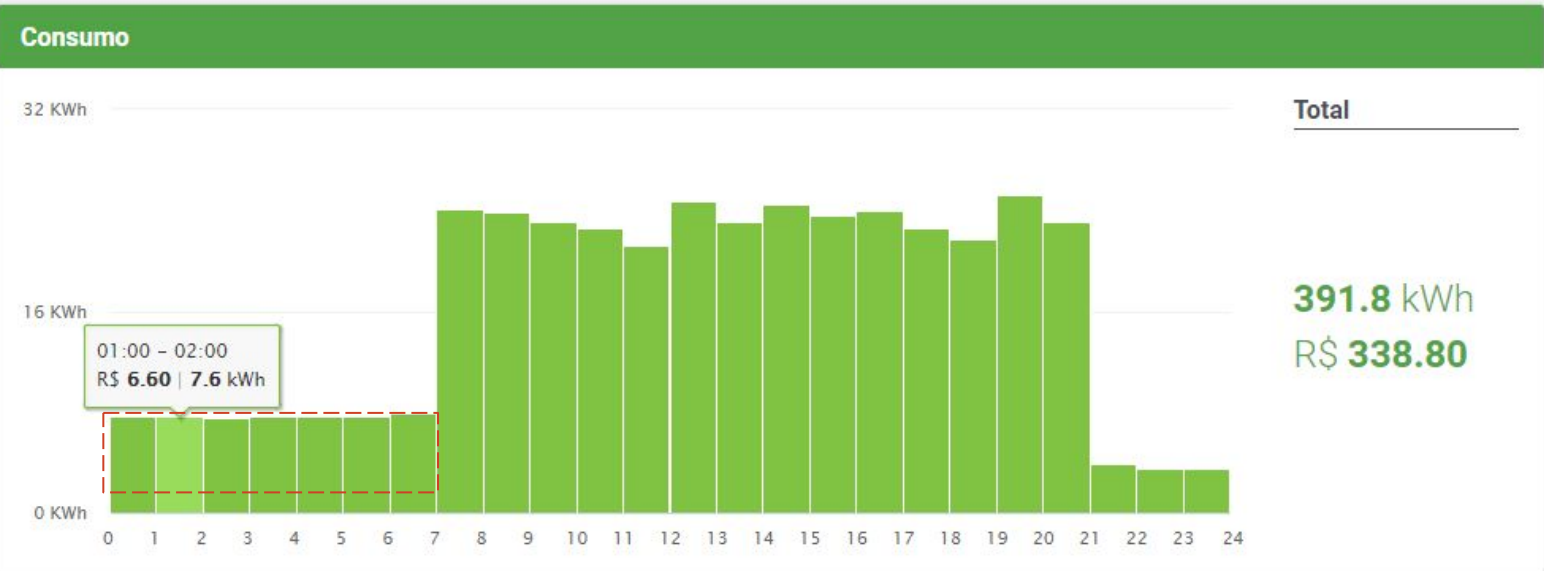
Refrigeration was left on during the night, causing a waste of \$ 40

Dia ▾

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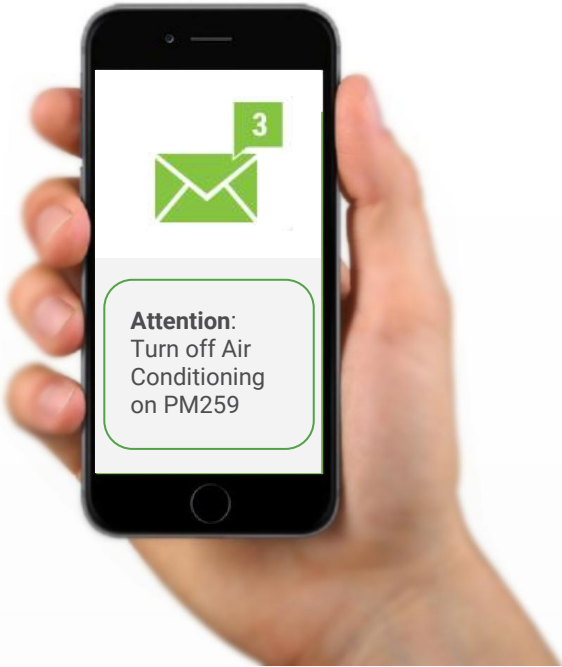
 Tarifação



After verifying the failure, a specific alert was created for this consumption condition

SMS

e-mail



Next Updates

KPIs

<div><div></div><div>Defina um ponto de medição como <i>benchmark</i> para verificar o desvio ocorrido nos outros pontos</div></div>			Unidade A				Unidade B	
			Local 1	Local 2	Local 3	Local 4	Local 1	Local 2
			75%	115%	99%	55%	75%	65%
Unidade A	Local 1	75%	1	0.5	0.4	0.2	0.8	0.3
	Local 2	115%	0.5	1	0.4	0.2	0.8	0.3
	Local 3	99%	0.4	0.5	1	0.2	0.8	0.3
	Local 4	55%	0.2	0.5	0.4	1	0.8	0.3
Unidade B	Local 1	75%	0.8	0.5	0.4	0.2	1	0.3
	Local 2	65%	0.3	0.5	0.4	0.2	0.8	1

Pontos em Unidade A	Indicador	Meta	%	Status
Local 1	9.999	7.777	<div><div>30%</div></div>	<div><div>✓</div><div></div><div></div></div>
Local 2	9.999	7.777	<div><div>110%</div></div>	<div><div>✗</div><div></div><div></div></div>
Local 3	9.999	7.777	<div><div>30%</div></div>	<div><div>✓</div><div></div><div></div></div>
Local 4	9.999	7.777	<div><div>79%</div></div>	<div><div>⚠</div><div></div><div></div></div>

Set goals and benchmarks for all your measurement points

Thank You



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