

DIPUTACIÓN DE BADAJOZ PRESENTATION



Plan de Movilidad de Vehículos Eléctricos en Municipios

DIPUTACIÓN DE BADAJOZ

29.06.2022

Bucharest

Presented by: DIPUTACIÓN DE BADAJOZ.

Martín Cobos. Head of the energy efficiency department.

Diputación of Badajoz as the main local entity in the province

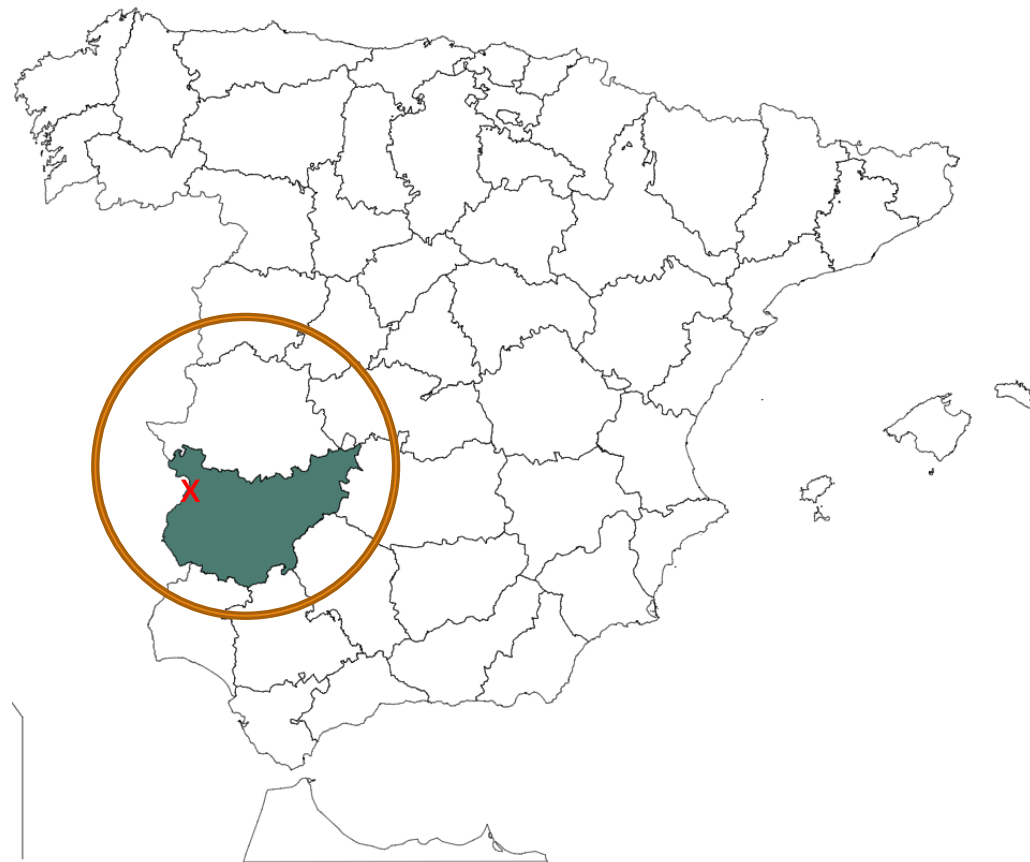
It is the Diputación's own specific objective **to guarantee the principles of inter-municipal solidarity and balance within the framework of economic and social policy**, and, in particular:

- (a) To ensure the comprehensive and adequate **provision of municipal services** throughout the provincial territory.
- (b) To participate in the coordination of local government with that of the Autonomous Community and the State.

The Diputación aims to facilitate mobility and economic growth and equal opportunities between rural and urban areas; to invest in innovation, digitalization and training in order to contribute to the development of our villages; promotion of sustainability and tourism, to attract investment and economic development.

¿Where are we located?

- Badajoz is a province of western Spain, located in the autonomous community of Extremadura.
- The Province is a **local entity determined by the grouping of municipalities**, with its own legal personality and full capacity to fulfil its purposes.
- Its capital is the city of Badajoz (150.610 people), and it is bordered by Portugal in the west.
- With its area of 21,766 km², it is the largest province in Spain.
- As of 2021, the province has a population of 669.943 people.
- Therefore, the province has a relatively low population density: 30.8 people per km²



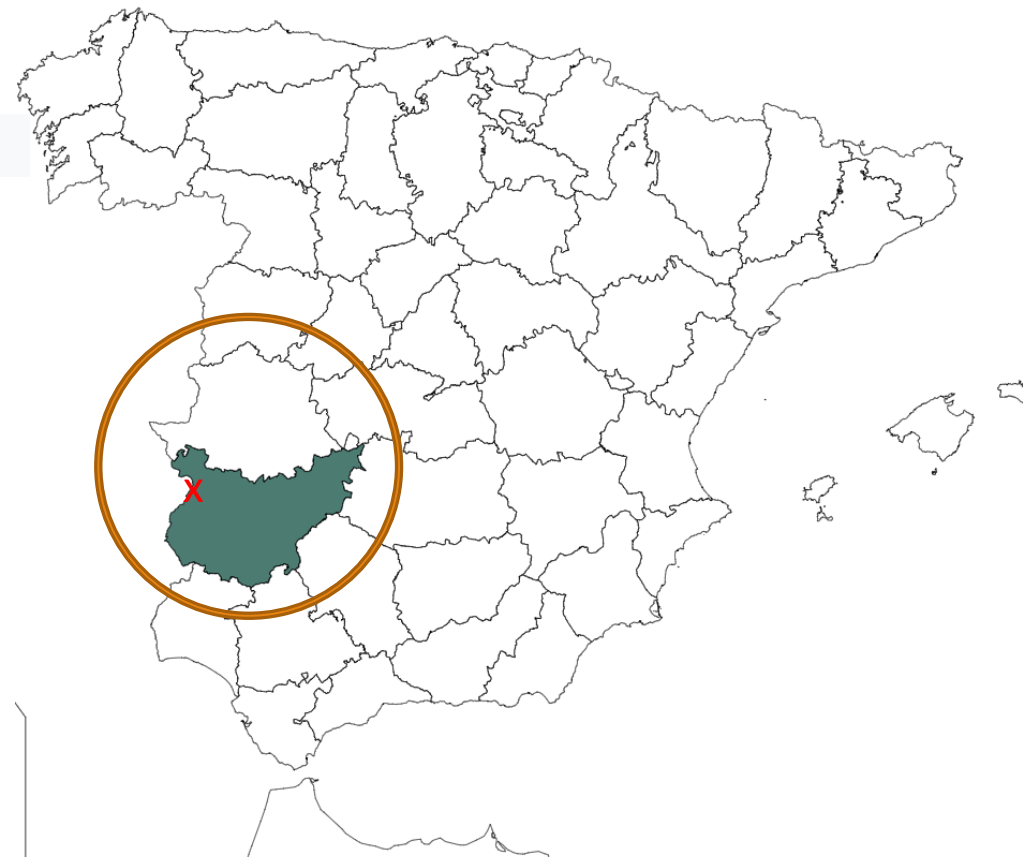
Distribution of the population in the territory

Strong population dispersión

↕
Wide territory

Population	Towns	%	People	%
<1.000	72	40,00%	41.669	6,22%
1.000< P <5.000	82	45,56%	183.123	27,33%
5.000< P <10.000	16	8,89%	96.869	14,46%
10.000< P <20.000	5	2,78%	70.093	10,46%
>20.000	5	2,78%	278.189	41,52%
PROVINCE TOTALS	180 Towns		669.943 People	

Population	Towns	%	People	%
<1.000	72	40,00%	41.669	6,22%
<5.000	154	85,56%	224.792	33,55%
<10.000	170	94,44%	321.661	48,01%
<20.000	175	97,22%	391.754	58,48%
>20.000	5	2,78%	278.189	41,52%
PROVINCE TOTALS	180 Towns		669.943 People	



Main issues on mobility to be highlighted


Lack of infrastructure for mobility.

Lack of mobility data collection.

Lack of intermunicipal cooperation.

Public routes that are not adapted to the real problem or even schedules make it impossible to carry out leisure or night activities... or even commuting to work in a nearby town.

Lack of awareness and information on mobility problems/options for citizens in rural areas.



High
dependence on
the car in rural
areas

Main issues on mobility to be highlighted

Reduced access
to electric
mobility

little private
investment

Public
engagement
promote access
to technology

Occasion:
Acces to
structural
funds

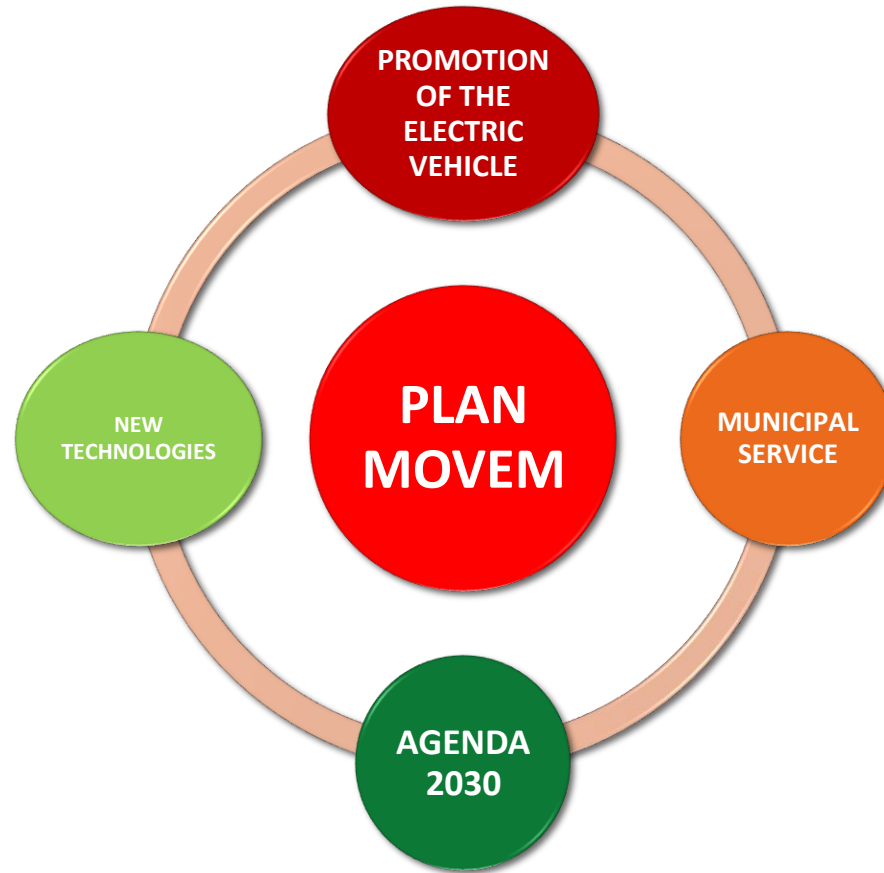


UNIÓN EUROPEA

FONDO EUROPEO DE
DESARROLLO REGIONAL
(FEDER)

Economía Baja en Carbono
Entidades Locales





INVESTMENT

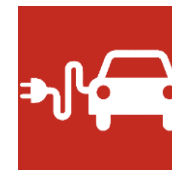
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MILLIONS OF EUROS

PHASE 1 (2018)

- One 100% EV delivered to each municipality of the province (180+15 units)
- Each vehicle was delivered together with an EV charger (Maximum charging power of 7 kW)
- The EV delivered are covering almost 1.500.000 km per year.

200



100% ELECTRIC VEHICLES

Delivery of vehicles to municipalities

DON BENITO

MÉRIDA

ZAFRA

BADAJOS

HERRERA
DEL DUQUE

VILLANUEVA
DE LA
SERENA





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PHASE 2 (In operation from 3rd January 2022)

- 32 EV charging stations provincial network (22 kW & 50 kW)
- Every town has at least one EV charging station within 35 km.
- Access by App (WENEA) or RFID card
- More info at www.movembadajoz.es



INVESTMENT

1
MILLIONS OF
EUROS

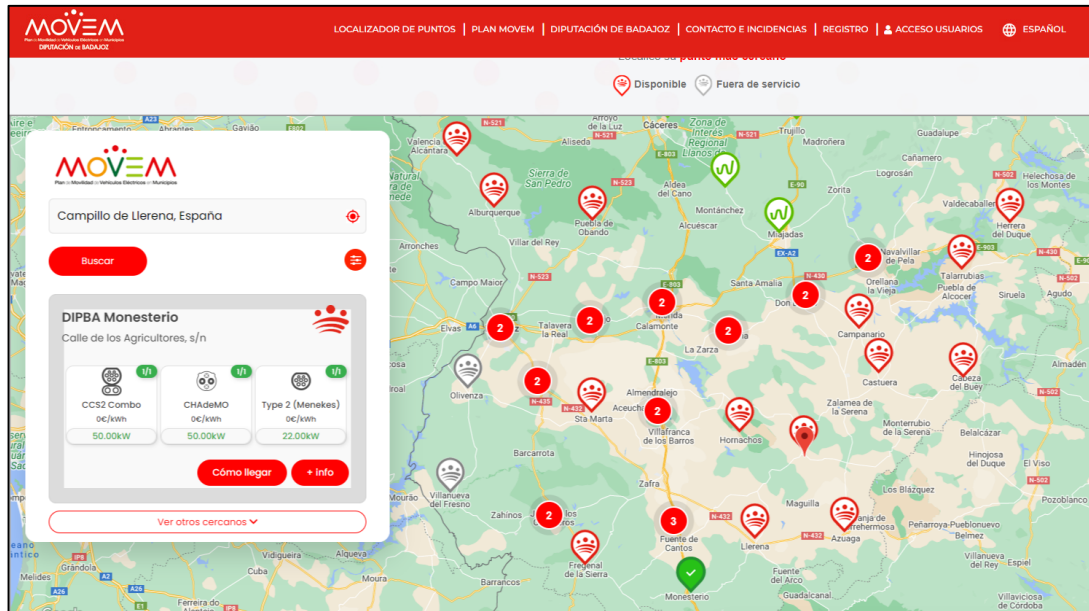
CHARGING STATION NETWORK



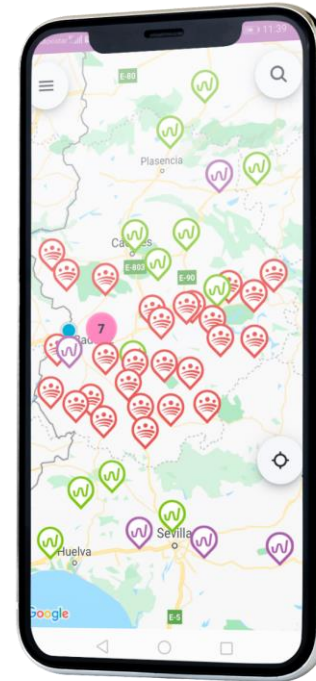
**100 %
EXECUTED**

**30 stations in
operation**

WWW.MOVEMBADAJOZ.ES



APP
WENEA



RFID
CARD

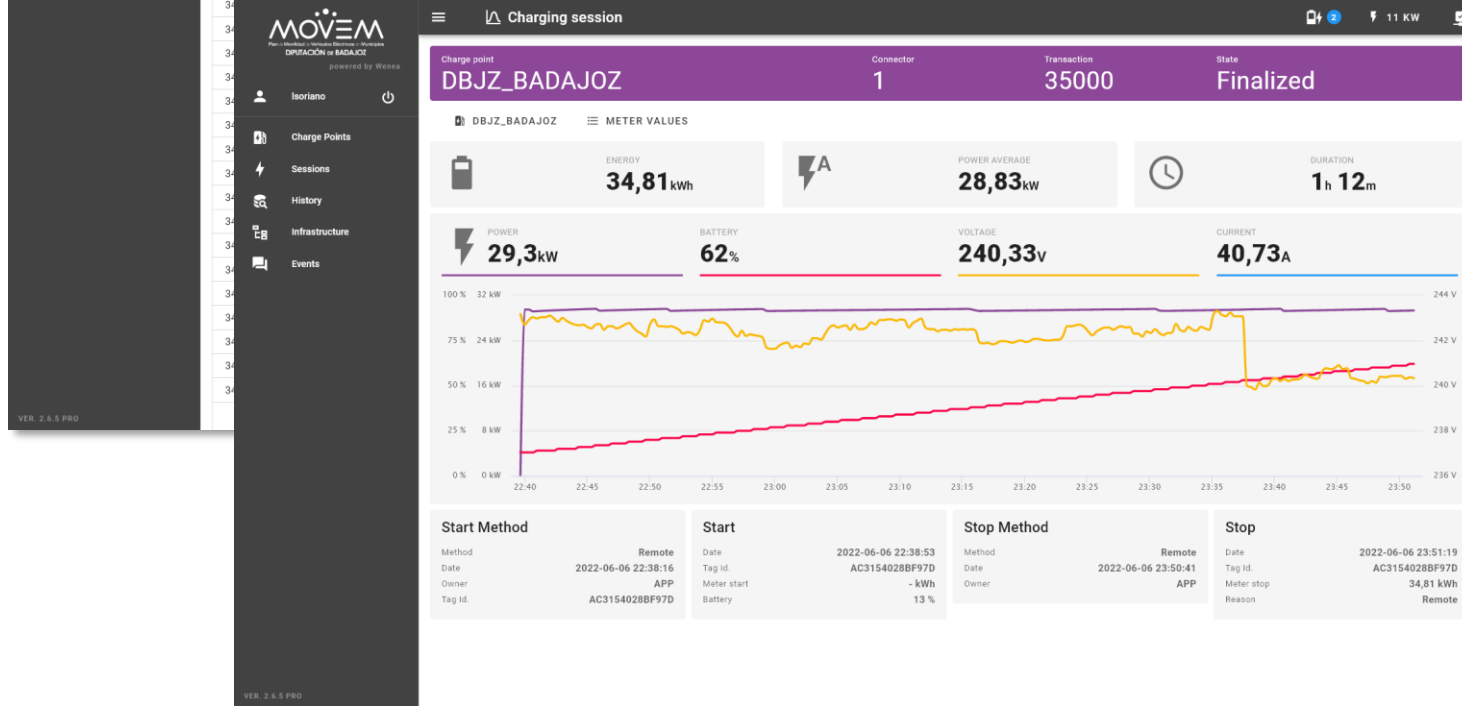
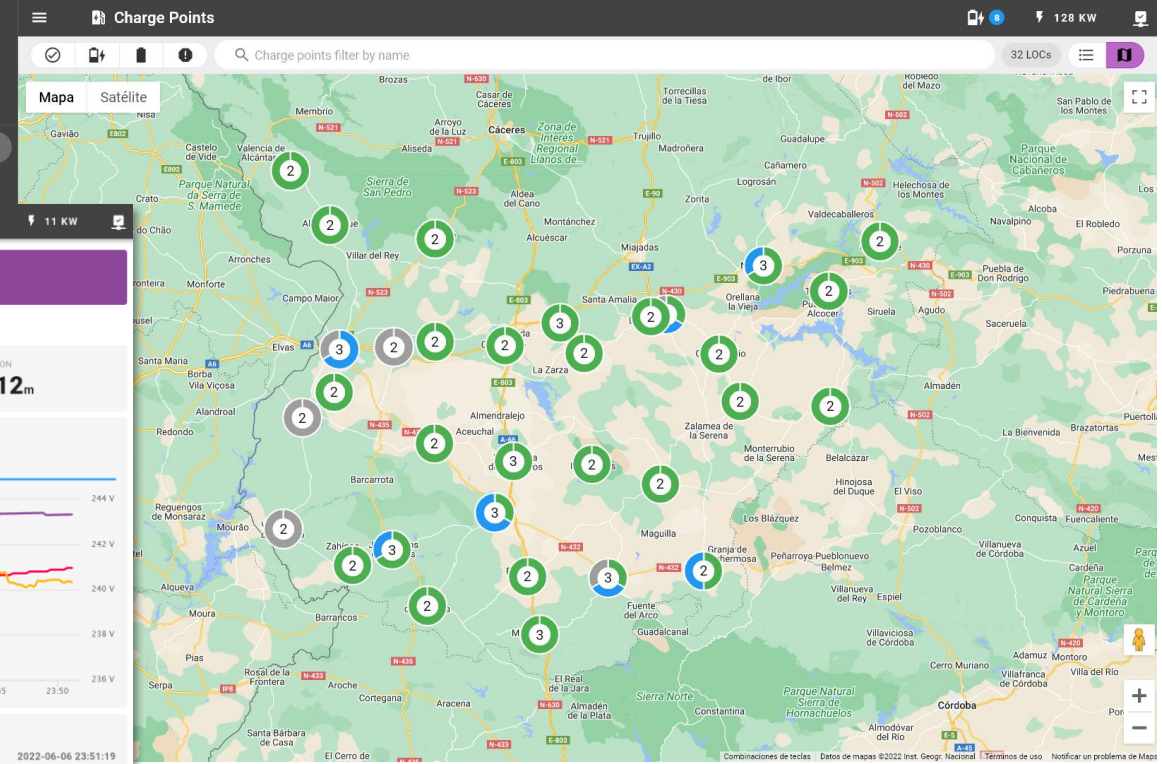


MOVEM powered by Wenea

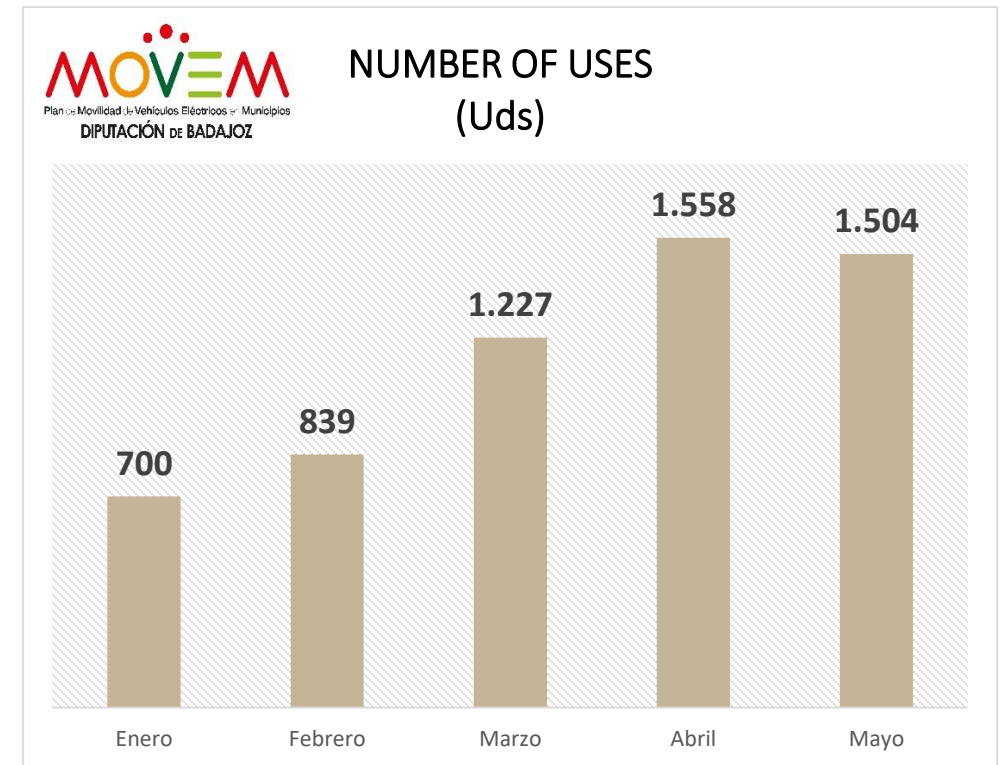
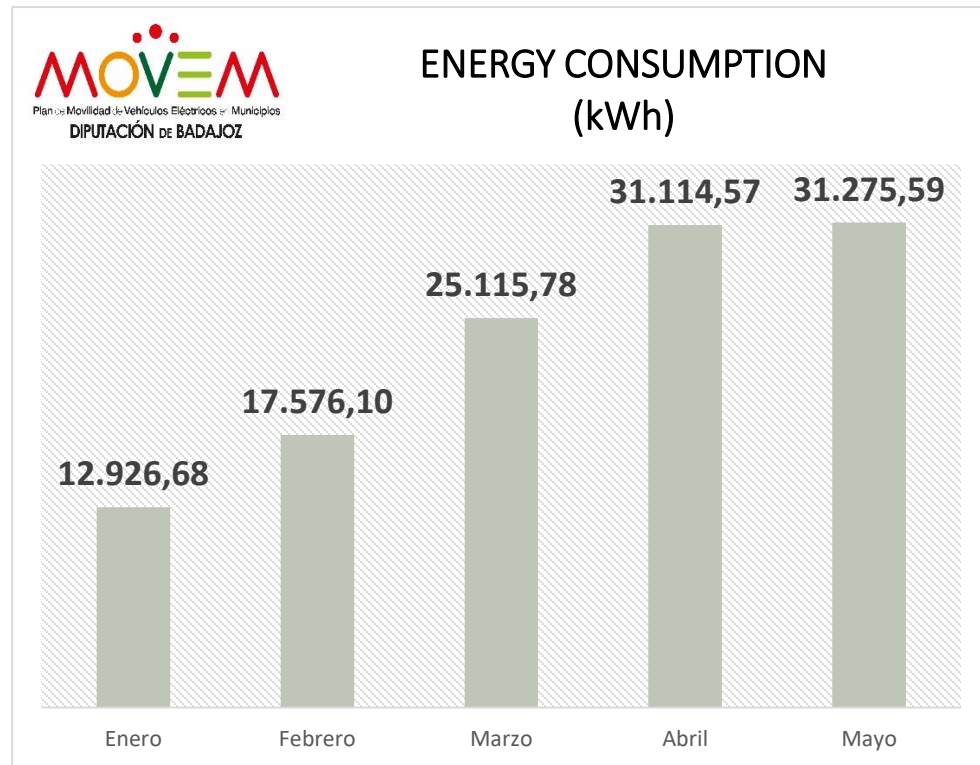
Charging Sessions

From 2022-05-31

Tx	CP	Conn.	Owner	Start	End	Duration	Energy
35014	DBJZ_BADAJOZ	3	APP	2022-06-07 07:54:20		00:18:29	
35013	DBJZ_MONESTERIO_1	2	APP	2022-06-07 07:47:30	2022-06-07 08:00:23	00:12:53	
35012	DBJZ_FREGENAL_1	2	APP	2022-06-07 07:40:22		00:31:53	
35001	DBJZ_FUENTECANTOS_1	2	APP	2022-06-06 22:44:50	2022-06-07 00:12:35	01:27:45	
35000	DBJZ_BADAJOZ	1	APP	2022-06-06 22:38:53	2022-06-06 23:51:19	01:12:26	
34997	DBJZ_BADAJOZ	1	APP	2022-06-06 21:18:42	2022-06-06 21:43:50	00:25:08	
34994	DBJZ_BADAJOZ	2	APP	2022-06-06 20:46:24	2022-06-06 20:53:47	00:07:23	
34992	DBJZ_FREGENAL_1	1	APP	2022-06-06 20:30:10	2022-06-06 23:08:35	02:38:25	



SOME DATA ON USE OF THE CHARGING STATION NETWORK



THANKS FOR YOUR ATTENTION



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