

Fernando Lozano Metro Málaga

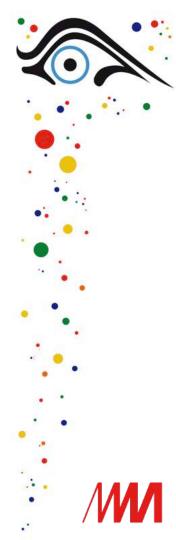


Málaga CONNECTING COMMUNITIES

Metro de Málaga's thriving network through line extensions

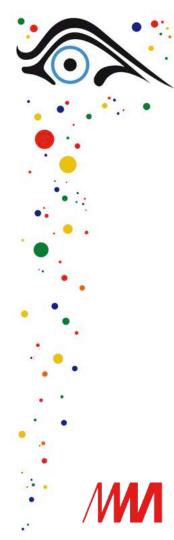
European Light Rail Congress

Fernando Lozano, Chief Executive Officer



Doubling ridership (is it possible?)

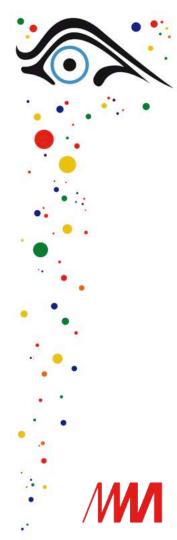




Doubling ridership (is it possible?)

Extension of lines 1 & 2 to the center

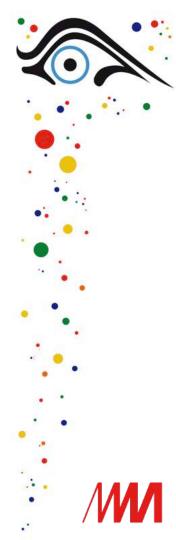




About Metro de Málaga

Málaga is the most heavily populated coastal city in southern Spain: >550,000 inhabitants





About Metro de Málaga. Current network









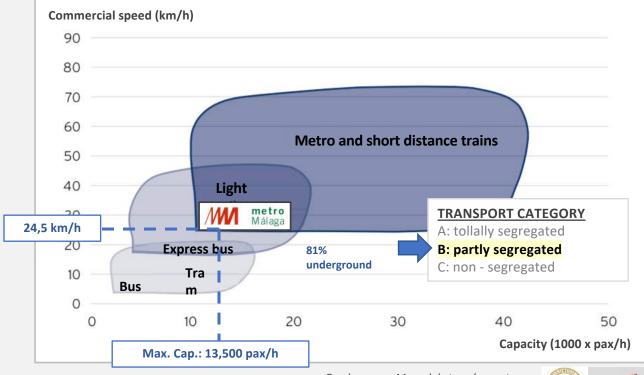


METRO DE MALAGA: Metro or tram?

What type of LRT do we have?



Public transport categories



Graph, source: Manual de tranvías, metros ligeros y sistemas en plataforma reservada; Clara Zamorano, Joan M. Bigas, Julián Sastre



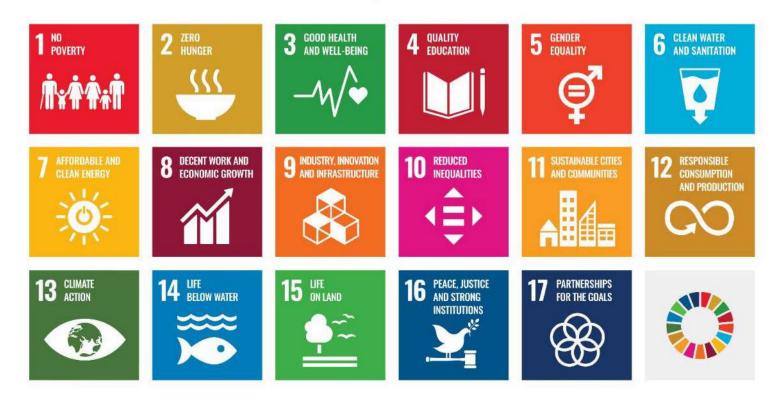


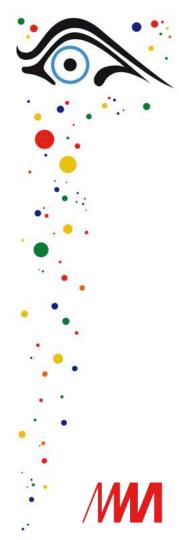
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About Metro de Málaga. SDGs

SUSTAINABLE G ALS





About Metro de Málaga. SDGs





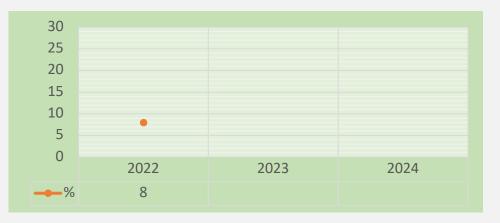
About Metro de Málaga. New photovoltaic plant

Generation with photovoltaic power plants, "in situ"

Phase 1:

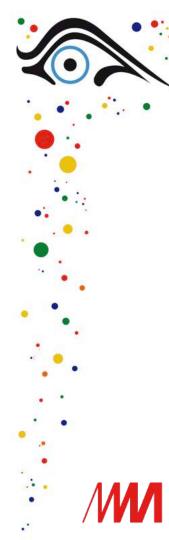
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4.514 m2 545 kW 900 MWh (**8%** of total energy consumption)









About Metro de Málaga. New photovoltaic plant

Generation with photovoltaic power plants, "in situ"

Phase 2:

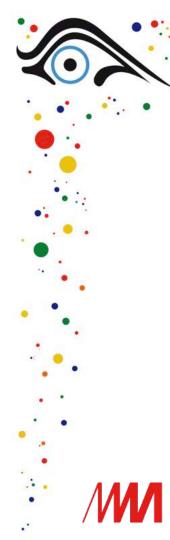
2

3.235 m2 400 kW 650 MWh (**6%** of total energy consumption)









About Metro de Málaga. New photovoltaic plant

Generation with photovoltaic power plants, "in situ"

Phase 3:

2

5.500 m2900 kW1400 MWh (12% of total energy consumption)





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About Metro de Málaga. New trains, the Urbos 100 model

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New accessibility features

Completely renovated train systems

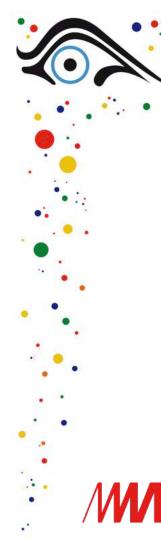
Challenge of integration with the signaling system





About Metro de Málaga. Driving simulator







- 1) Fare discount
- 2) Time reduction
- 3) Service quality
- 4) Ultra-fast interchange
- 5) Spacious, clean and well-lit stations
- 6) Reduced previous public transport modal split
- 7) The importance of connecting to the city center





Keys to success. Fare discount

- Se amplía hasta el 31 de diciembre de 2024 -

Tu viaje en metro ahora es aún más barato



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Con el título Monedero: antes 0,82€ ahora 0,33€

El 60% de descuento en la línea de validación es adicional a las bonificaciones existentes en los títulos del consorcio.

- Tarjeta Joven: 0,26€
 - Tarjeta familia numerosa: 0,26€
 - Tarjeta familia numerosa especial: 0,17€
 - Tarjeta de familia numerosa general + Tarjeta Joven: 0,21€
 - Tarjeta de familia numerosa especial + Tarjeta Joven: 0,13€

Transporte público por mucho menos







60%

de descuente

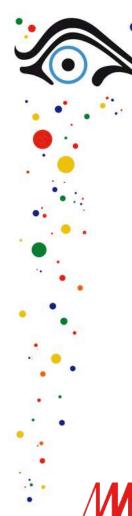
Descuento aplicado en el

momento de validar

el billete.



60% discount on multi-journey tickets





Keys to success. Fare discount

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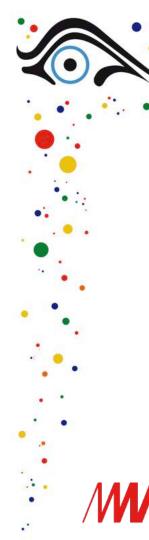
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60% discount on multi-journey tickets



Keys to success. Time reduction

50% time savings in travel

3



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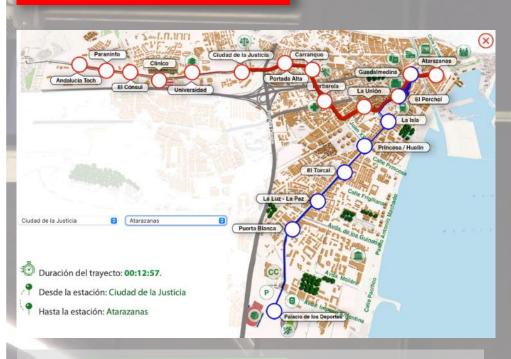
La Luz-La Paz to Atarazanas in 12 min



Keys to success. Time reduction

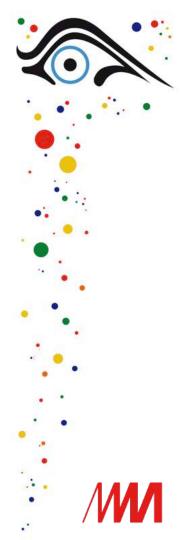
50% time savings in travel

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Ciudad de la Justicia to Atarazanas in 13 min

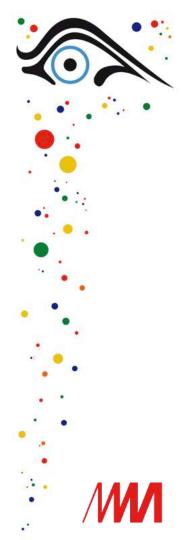


Keys to success. Service quality



High frecuency service with a train every 5 minutes in peak hour

Reliable regularity



Keys to success. Ultra-fast interchange

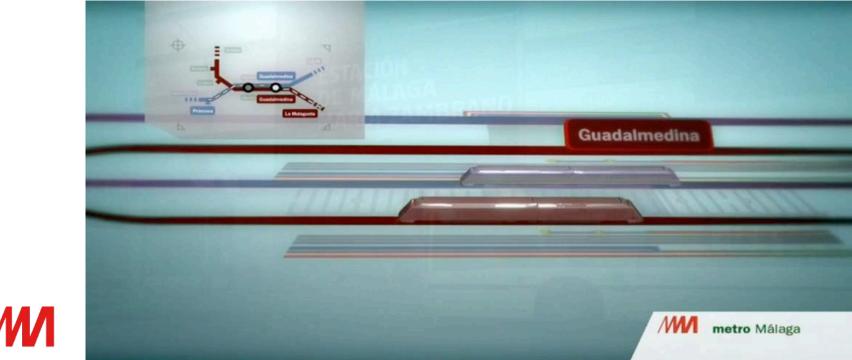


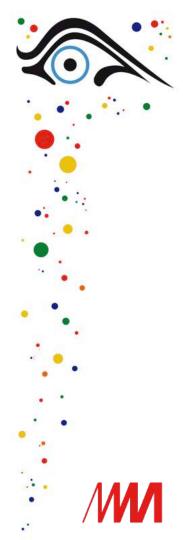




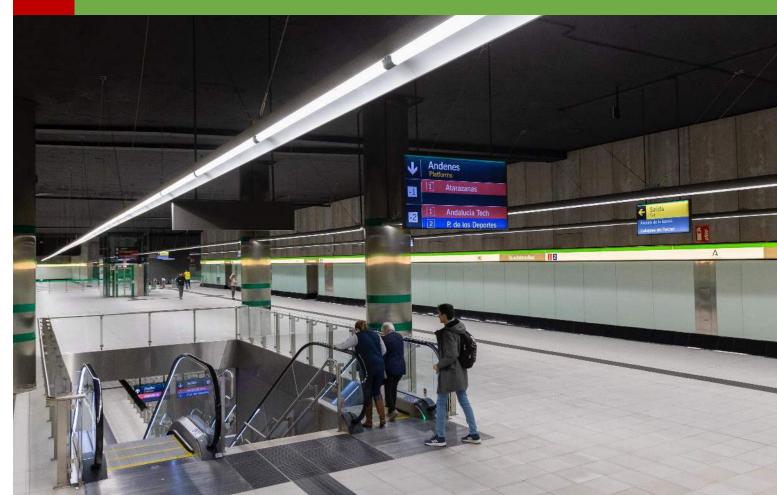
Keys to success. Ultra-fast interchange

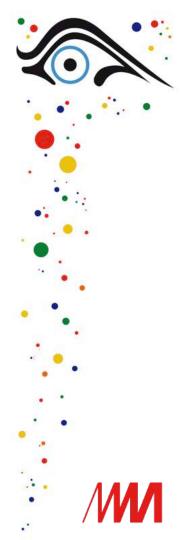






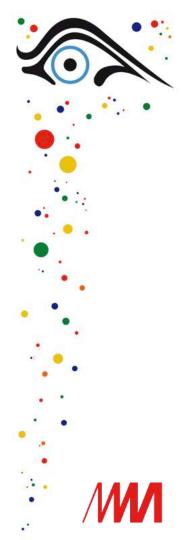
Keys to success. Spacious, clean and well-lit stations





Keys to success. Spacious, clean and well-lit stations



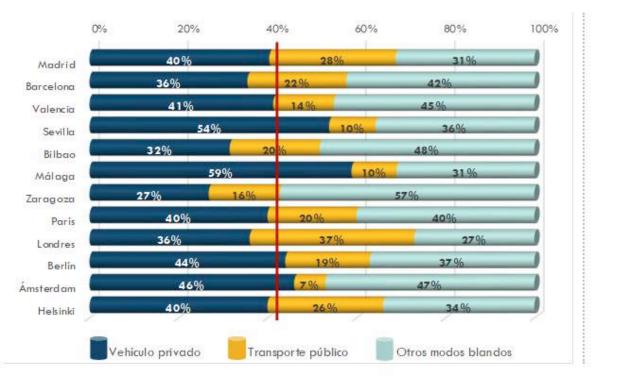


Keys to success. Spacious, clean and well-lit stations

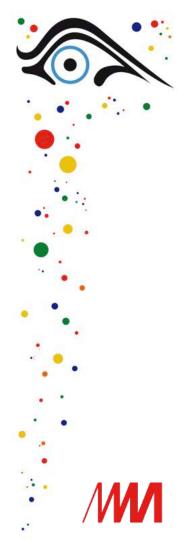




Keys to success. Reduced previous public transport modal split



Source: Transport & Logistics Observatory in Spain



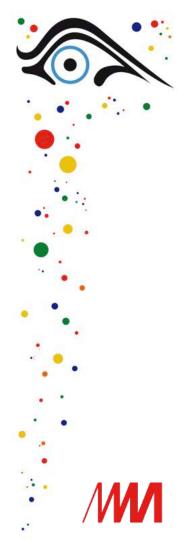


Keys to success. The importance of connecting to the center



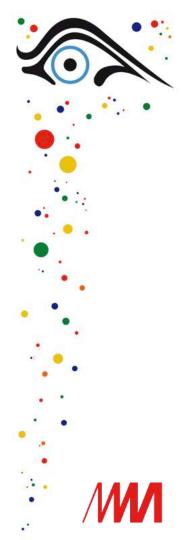




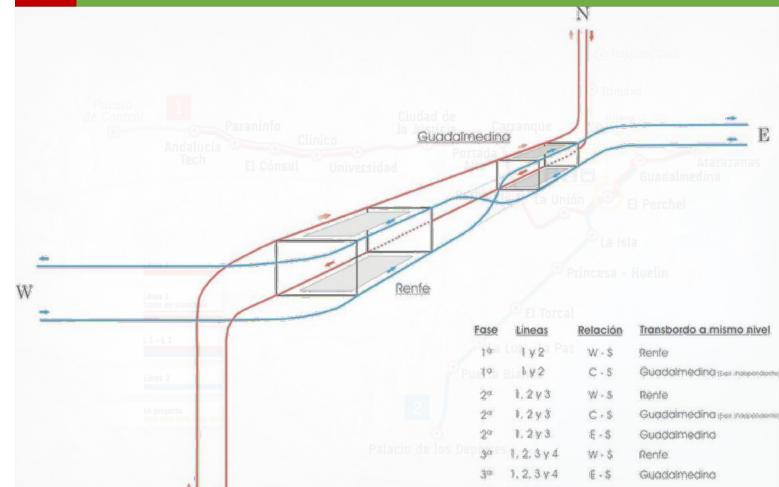








Next extension. Under construction







Next extension. Under construction





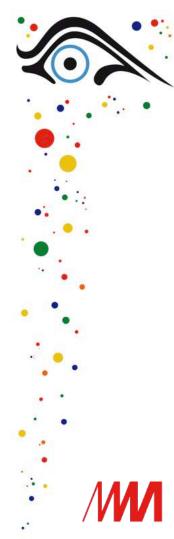
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Conclusion

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Metro de Malaga contributes to make the city a better place to live: creating healthy, safety, inclusive, economically competitive, zero-carbon areas. The network extensions undoubtedly enhance all these benefits.





Conclusion

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Cities must build strong institutions that work together. At Málaga, regional goverment commitment is fully aligned with this vision and by 2030 Málaga will deliver, when the planned network is finished, one of the most powerful metro network in the world in a medium-sized city





