

Madrid Nuevo Norte Innovation & Sustainability

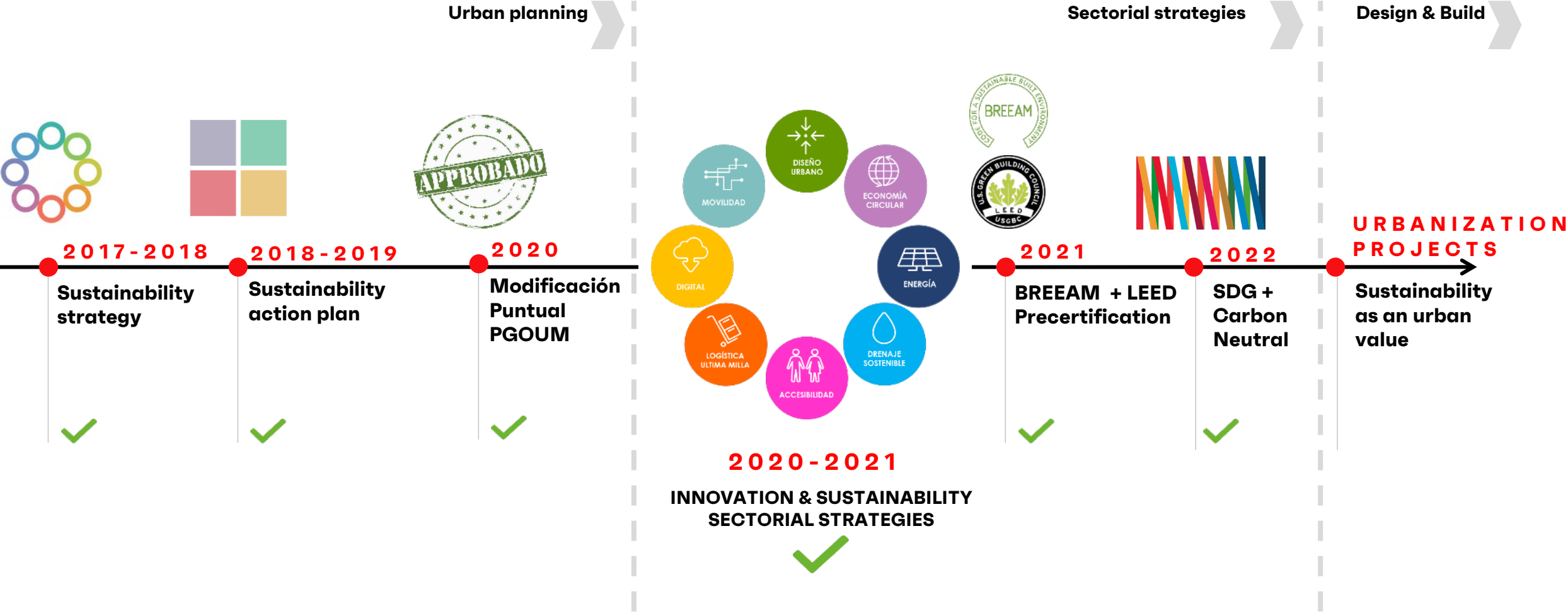


Madrid Nuevo Norte will fill the void created by the train tracks giving new life to disused land in the hearth of the capital

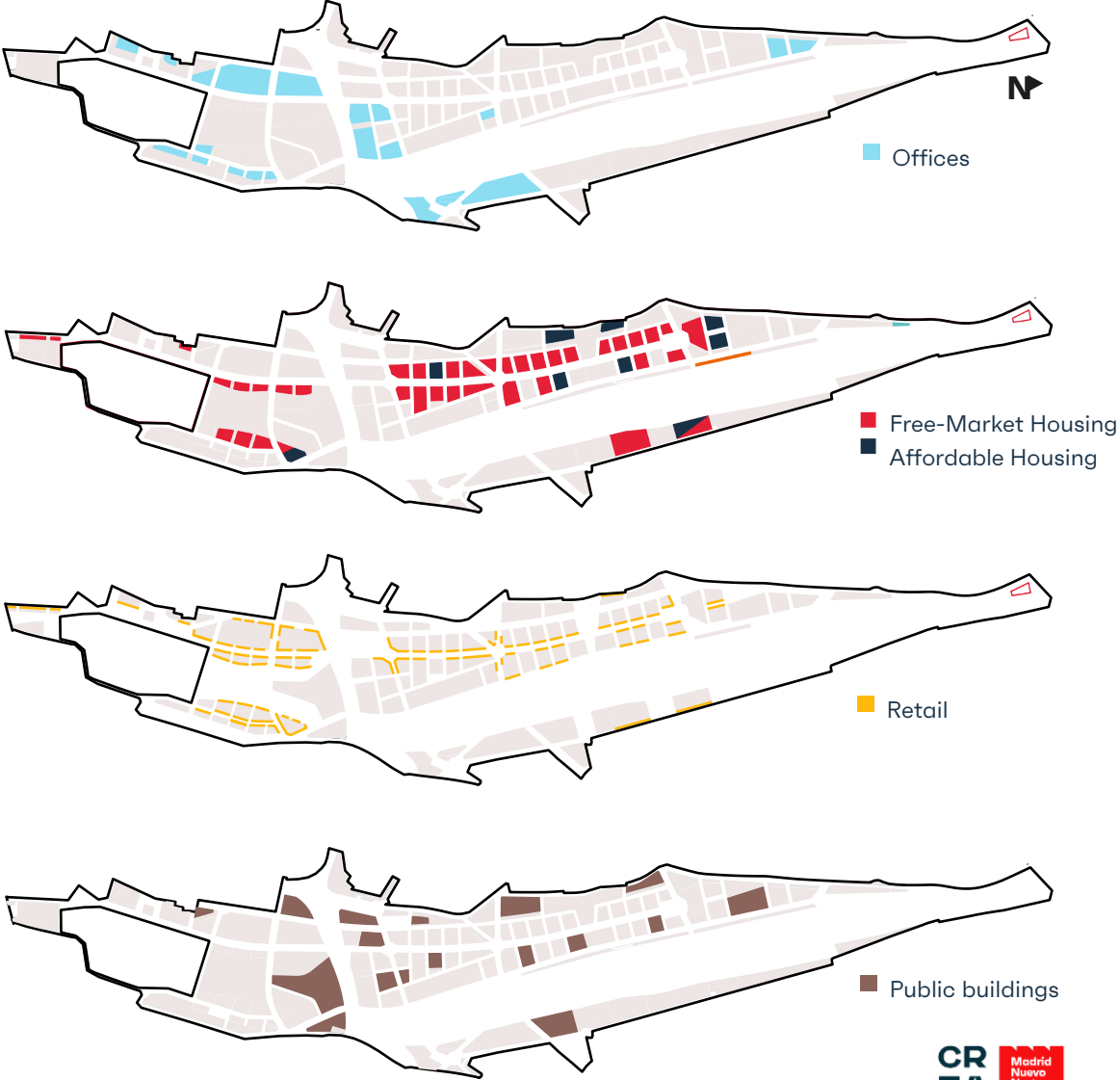


● Chamartin Station

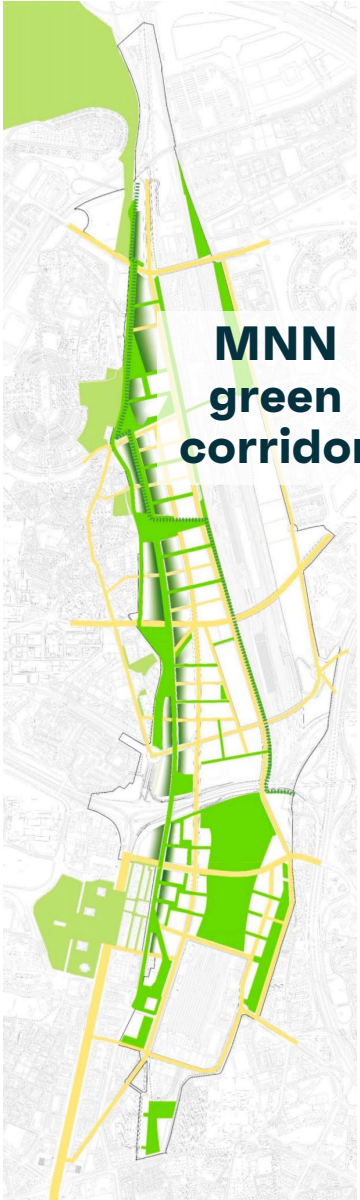
Sustainability is part of the DNA of Madrid Nuevo Norte



A dense people-centred district in which housing, offices, retail and public facilities are mixed together to create the best environment for living, working and enjoying free time



MNN green infrastructure introduce nature into the city



Madrid Nuevo Norte will design a new green infrastructure. Integrated within the Arco Verde, the environmental axis along MNN will be able to bring the biodiversity of the Cuenca Alta del Manzanares Regional Park and the Metropolitan Forest into the City of Madrid.

The green corridor connect the parks from north to south



A forest over the railroads



Central park

A Business park

MNN
green
corridor

Central
park

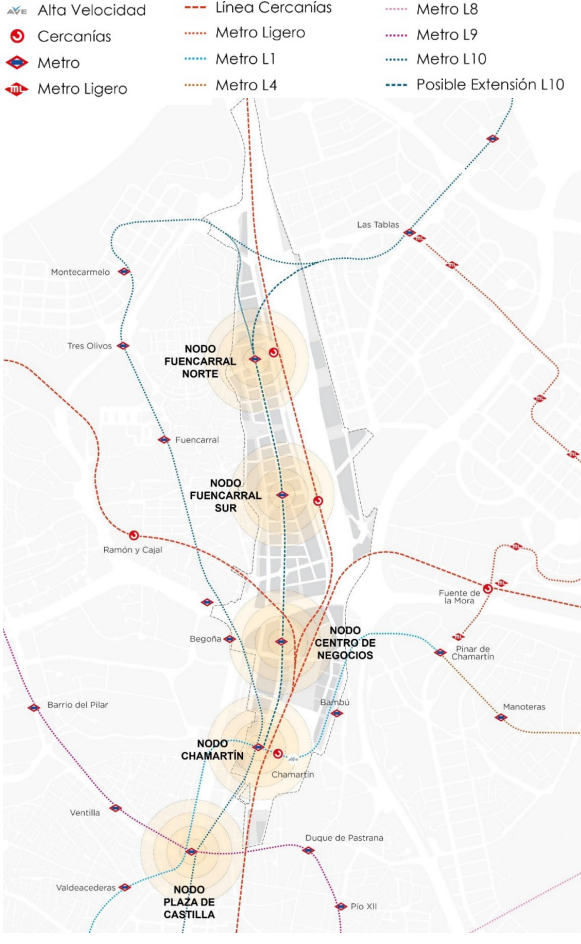
Sustainable transport oriented district



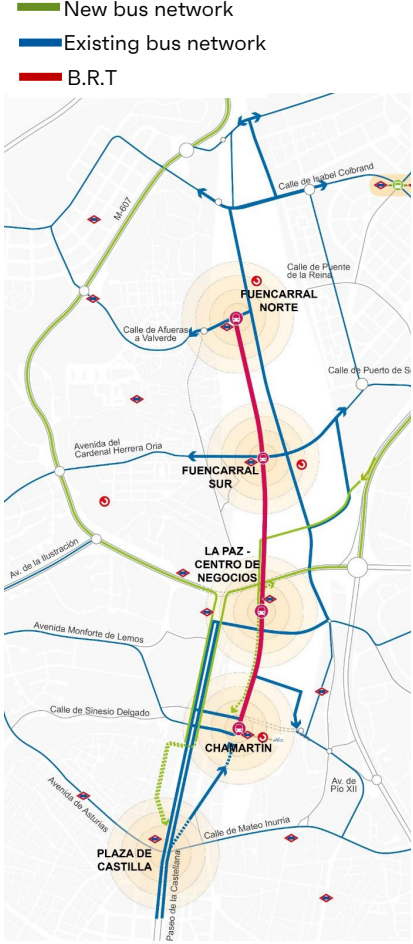
Walkable city
 • Urban network
 • Eco network



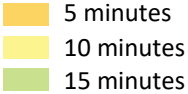
Cycle system and emerging transport modes



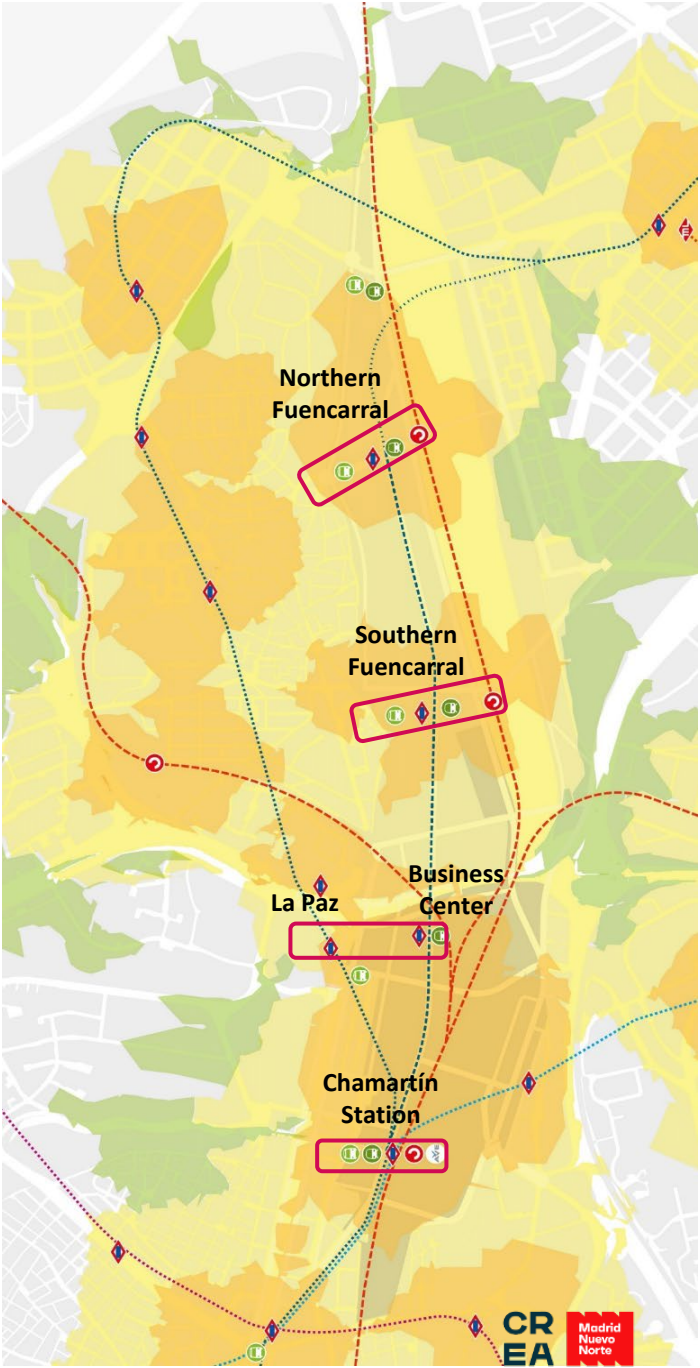
Metro/ commuter train network



Bus network

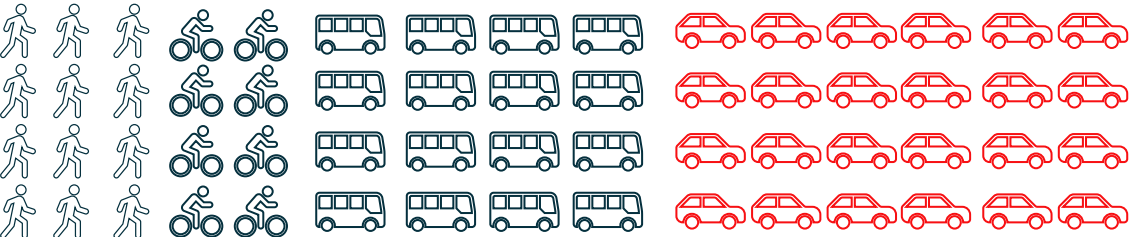


isochrones analysis.
Metro/ commuter train



MNN design aims to become a 15 minutes neighborhood and a 45 minutes economic centrality

20th century mobility



50%
sustainable
mobility

50%
private
car

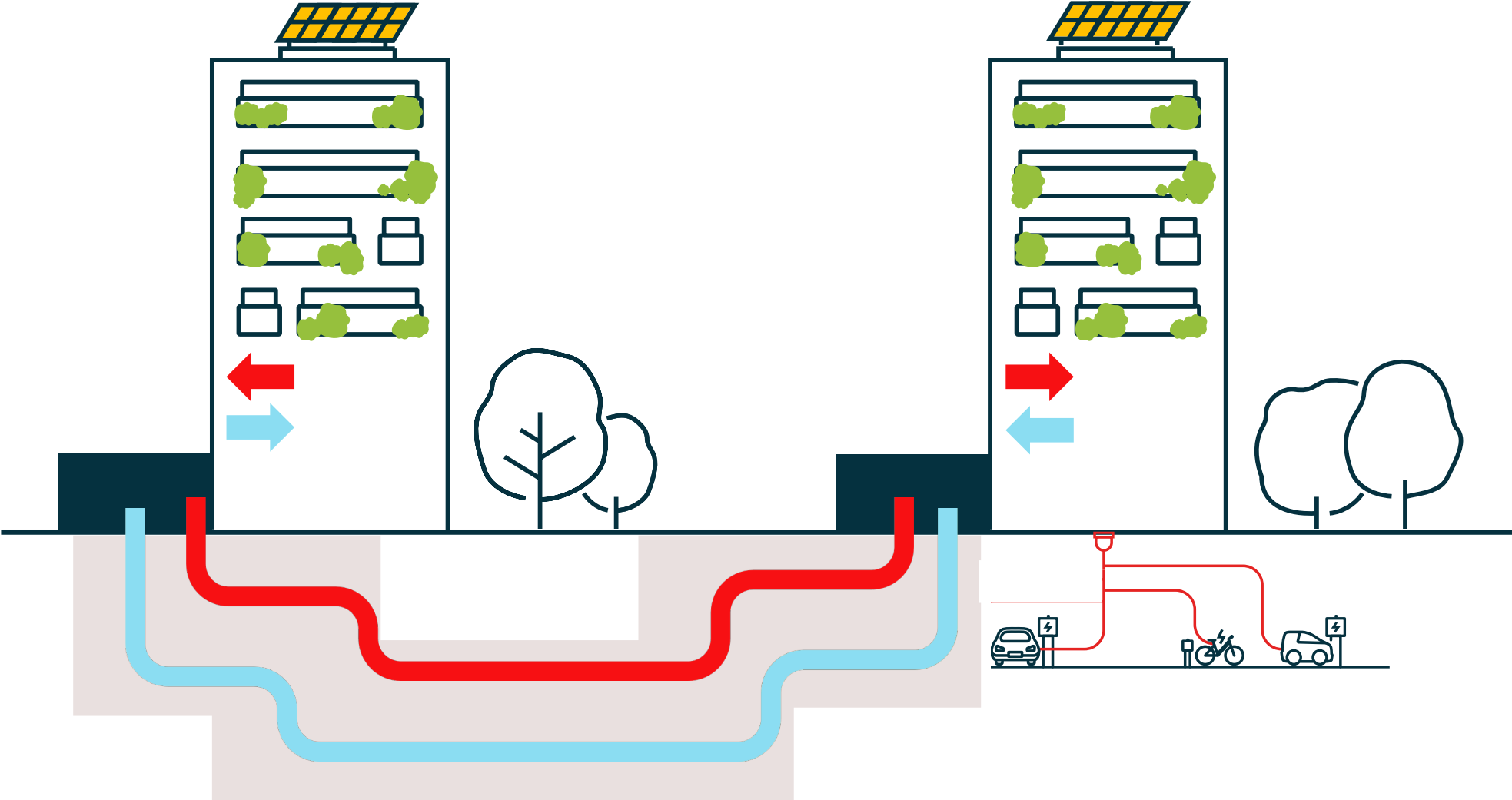
Madrid Nuevo Norte



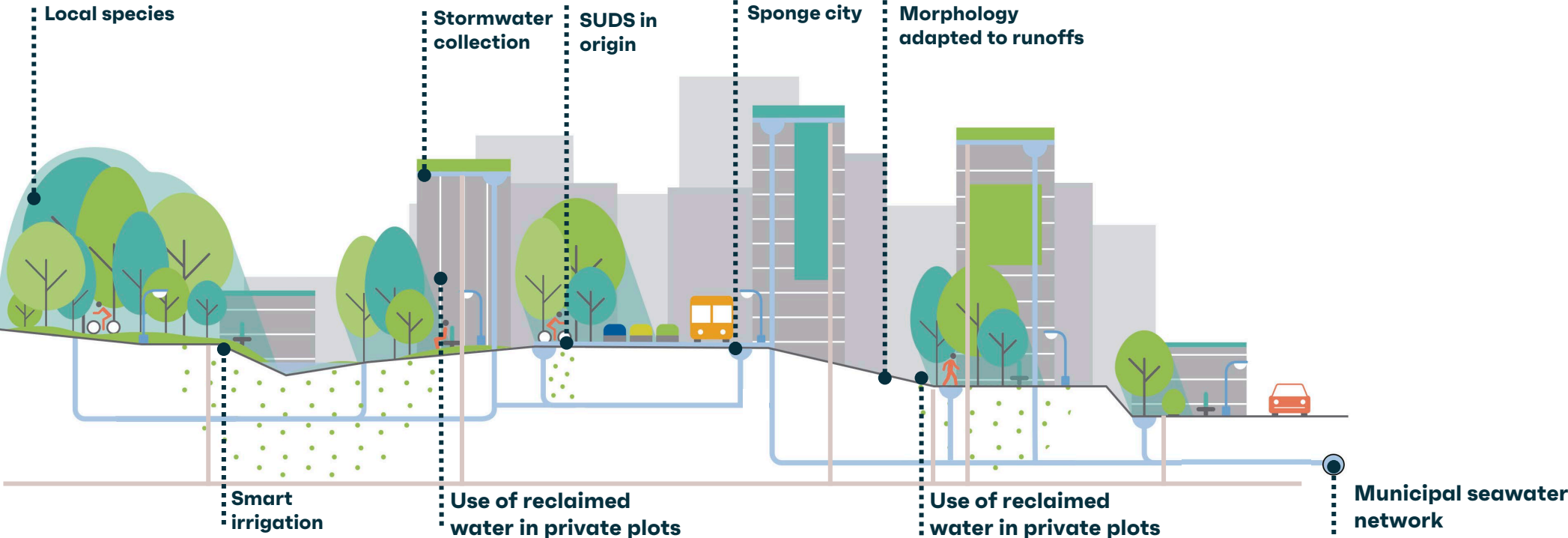
80%
sustainable
mobility

20%
private
car

The district energy model aims to facilitate zero-carbon buildings



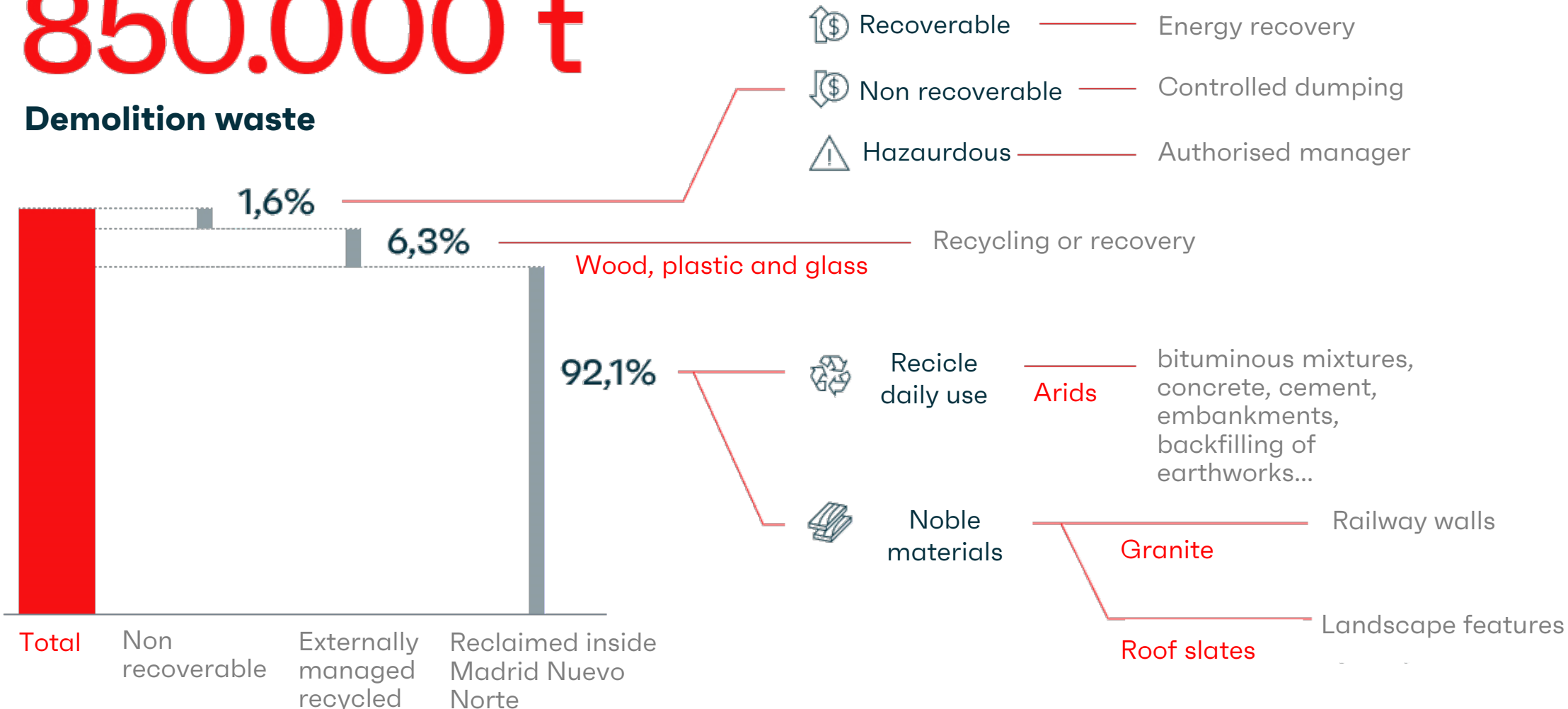
Madrid Nuevo Norte urbanization project will include sustainable urban drainage systems to manage stormwater



Demolition waste will be used as materials for urbanization projects

850.000 t

Demolition waste



AREA

DEMO

360



Thermal demand



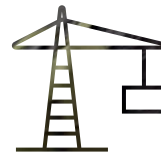
Renewable generation



Sustainable mobility



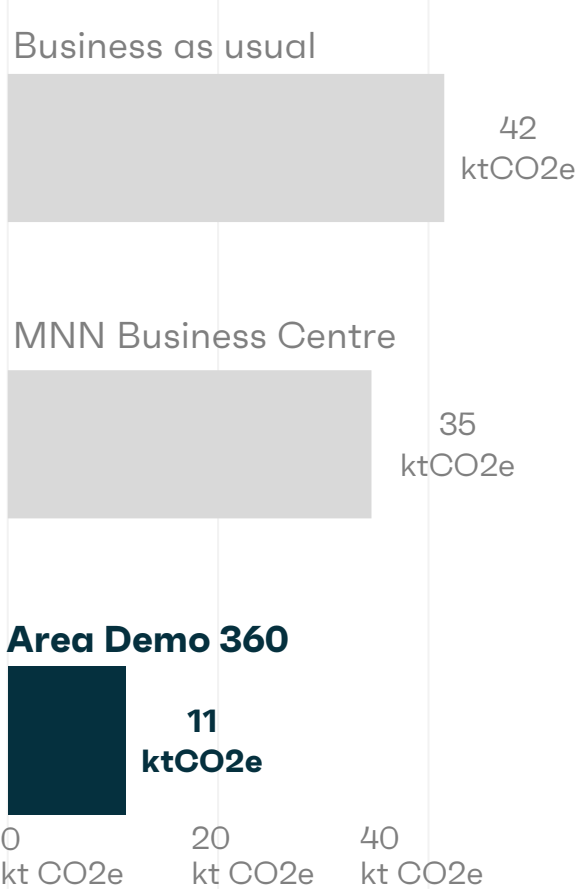
Green and blue infrastructures



Sustainable construction

Madrid City Council has declared the Business Centre a Climate Action Demonstration Area: **AREA DEMO 360**

The action plan aims to reduce 75% of the emissions (BAU) Kt CO₂e in 2030



A Monitoring Committee will be formed to update the Action Plan every 3 years to introduce new measures with the goal of climate neutrality.

Initiatives	Actions
Thermal demand	No use of fossil fuels
	District Heating and cooling networks
Energy generation	Renewable Energy Community
	Renewable energy generation in public space
	Guatantee of electrificity from renwable sources
Mobility	Public transport 0 emissions
	Low emissions solid waste collection
	Cycle and pedestrian mobility
Green and blue infraestructure	Use of regenerated water in private plots
	Sustainable urban drainage
	Buildings with green infraestructure
Construction	Low carbon materials and biomaterials

GPC Protocol. Limit Madrid City. Scope 1 and 2. GHG: CO₂, CH₄ and N₂O, reported as CO₂ equivalent. Year 2030 assuming that BC is fully operational.

A wide-angle photograph of a city skyline at sunset. The sky is filled with large, textured clouds in shades of orange, yellow, and grey. The city buildings are silhouetted against the bright horizon. In the center of the image, there is a red logo consisting of three vertical bars of varying heights, followed by the text "Madrid Nuevo Norte" in a bold, sans-serif font.

MN Madrid
Nuevo
Norte