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AXIS	CATEGORY	EU TAXONOMY ALIGNMENT FOR THE YEAR 2024
Circular Economy	Anaerobic Digestion of Bio-waste and/or Sewage Sludge	The project is linked to the taxonomic activity 5.6 (CCM), totally aligned in 2024
Short Description		
New and revamping of the Anaerobic digestion facilities		

9. Biomethane production from purification plants



Between 2020 and 2023, Acea Ato 2 developed and completed the upgrading interventions in the anaerobic digestion compartments for the two biggest purifiers in Rome (North and East), functional to the transformation of locally produced biogas into biomethane. The intervention's objective was to isolate all the methane contained into the biogas, controlling its quality and quantity, and optimising its usage. In 2024 the production of biomethane was started; it is injected into the gas network and intended for vehicles. The biomethane production supply chain management system is certified according to the UNI/TS 11567:2024 standard and enables Acea Ato 2 to issue sustainability certificates for the biomethane produced, providing environmental benefits linked to the reduction of transportation emissions.

PROJECT STATUS: ongoing

LOCATION: Latium, Italy

Green Bond Allocation

ALLOCATION			
TOTAL FINANCED AMOUNT (€ MILLION)	2022	2023	2024
9.71	0.42	7.51	1.78

Environmental performance indicators

KPI	UoM	2020	2021	2022	2023	2024
% upgrading intervention advancement upgrading for North and East Rome	%	35	50	70	100	-
Biomethane introduced in the network	Sm ³	-	-	-	-	122,893
Avoided emissions*	tCO ₂	-	-	-	-	298.5

*The environmental benefits are attributed to the drivers of vehicles using biomethane instead of fossil fuels. The UNI/TS 11567:2024 standard sets the reference criteria for calculating the avoided CO₂ emissions.