



Águas de Portugal is a state owned holding founded in 1993 with the mission of designing, building and managing Water Supply and Waste Water Systems, in a framework of economic, social and environmental sustainability.



REGIONAL WATER AND WASTEWATER UTILITIES















ÁGUAS

Grupo Águas de Portugal









SHARED SERVICES





INTERNATIONAL













WATER SUPPLY AND WASTEWATER SYSTEMS

150 WTP

1135 water intakes

970 WWTP

16 386 km

Water trunks and networks

1680 reservoirs

9 465 km

Sewerage network

2510

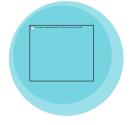
Water and wastewater pumping stations



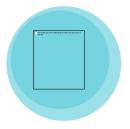


A WIDE RANGE OF SOLUTIONS FOR DIFFERENT CONTEXTS

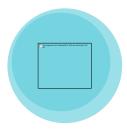
Services provision to 80% of the Portuguese Population

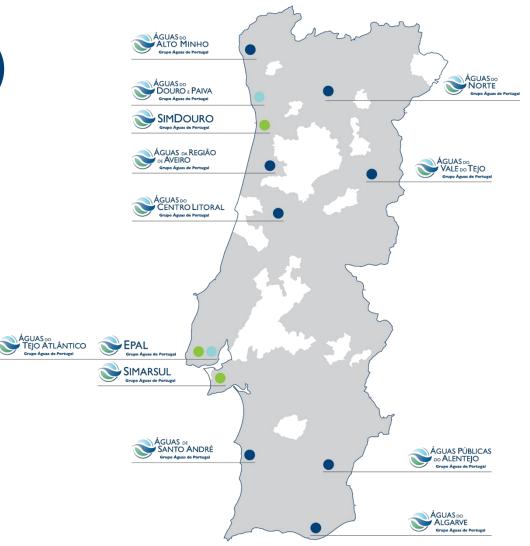


In the last 20 years the Águas de Portugal Group has created 12 water supply and sanitation regional utilities serving 8 million people



From highly density urban areas to rural regions; From small decentralized systems to large High-Tech and Smart Systems







Challenges:

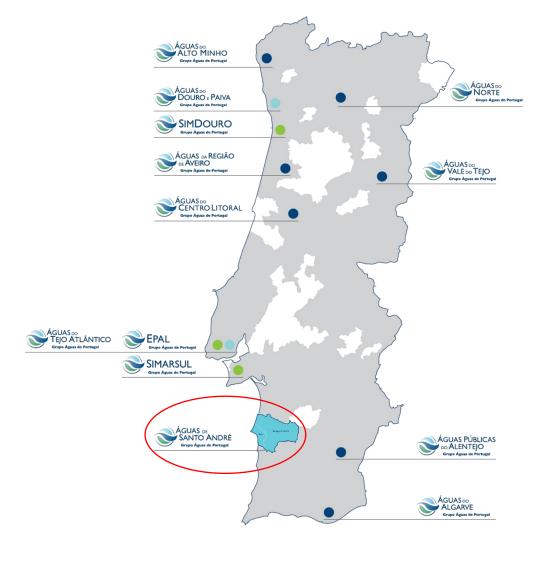
Industrial Solid Waste Highly Polluted Effluents

Major deepwater harbour Major Petrochemical Hub

> Large scale water demand

Domestic Effluents

Emerging dormitory towns

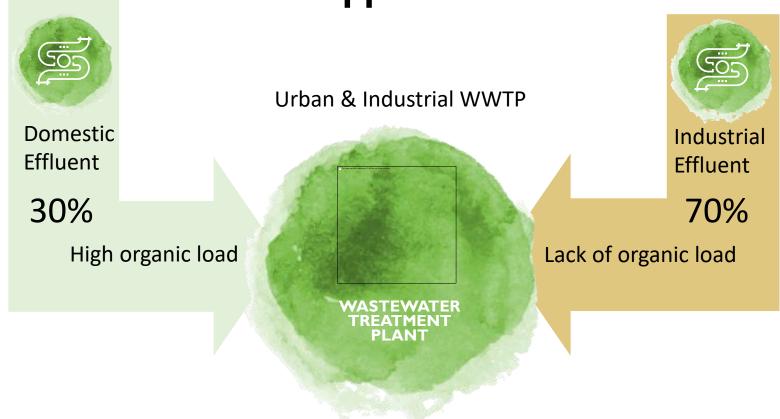


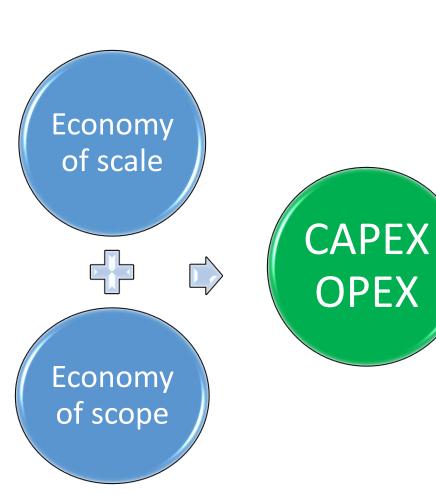


Multi cross-sector approach: Industrial water System ÁGUAS∞ ALTO MINHO Surface water source ÁGUAS ∞ DOURO E PAIVA NORTE Groundwater Dan **SIMDOURO** ÁGUAS DA REGIÃO DE ÁVEIRO ÁGUAS 200 VALE 200 TEJO ÁGUAS∞ CENTRO LITORAL Reservoir Reservoir Consumption Industries ÁGUAS∞ TEJO ATLÂNTICO **EPAL** SIMARSUL Segregated effluent collection ÁGUAS DE SANTO ANDRÉ ÁGUAS PÚBLICAS S ALENTEJO WASTEWATER ALGARVE TREATMEN⁻ Industrial Waste Landfill **Urban & Industrial WWTP** Atlantic Ocean



Multi cross-sector approach:







Expected demand increase for industrial water:

- Harbour expansion Rotterdam reached full capacity;
- Completion of high speed railway to Madrid and France;
- Expansion of existing petrochimical plants;
- Establishment of Hydrogen production plants.





Water demand scenarios and Water sources:

38 hm³/year

25 hm³/year

BUSINESS AS USUAL

10 hm³/year



