



HAMBURG WASSER'S CONTRIBUTION TO CIRCULAR ECONOMY

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WHO WE ARE

HAMBURG WASSER - Water and wastewater utilities, owned by the City of Hamburg, but run like a private company. Today: Focus on wastewater

WHAT WE DO

HAMBURG WASSER - INNOVATION IS WHAT DRIVES US



VERA – sludge incineration plant



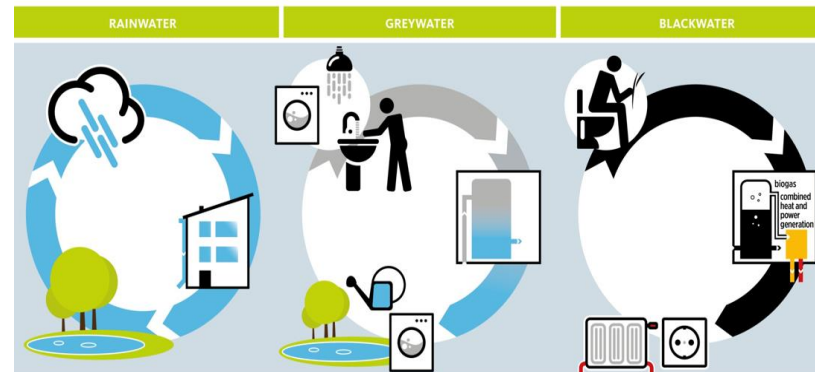
RISA – sponge city

TetraPhos® Hamburg



phosphorous – nutrient recovery

The HAMBURG WATER Cycle ®

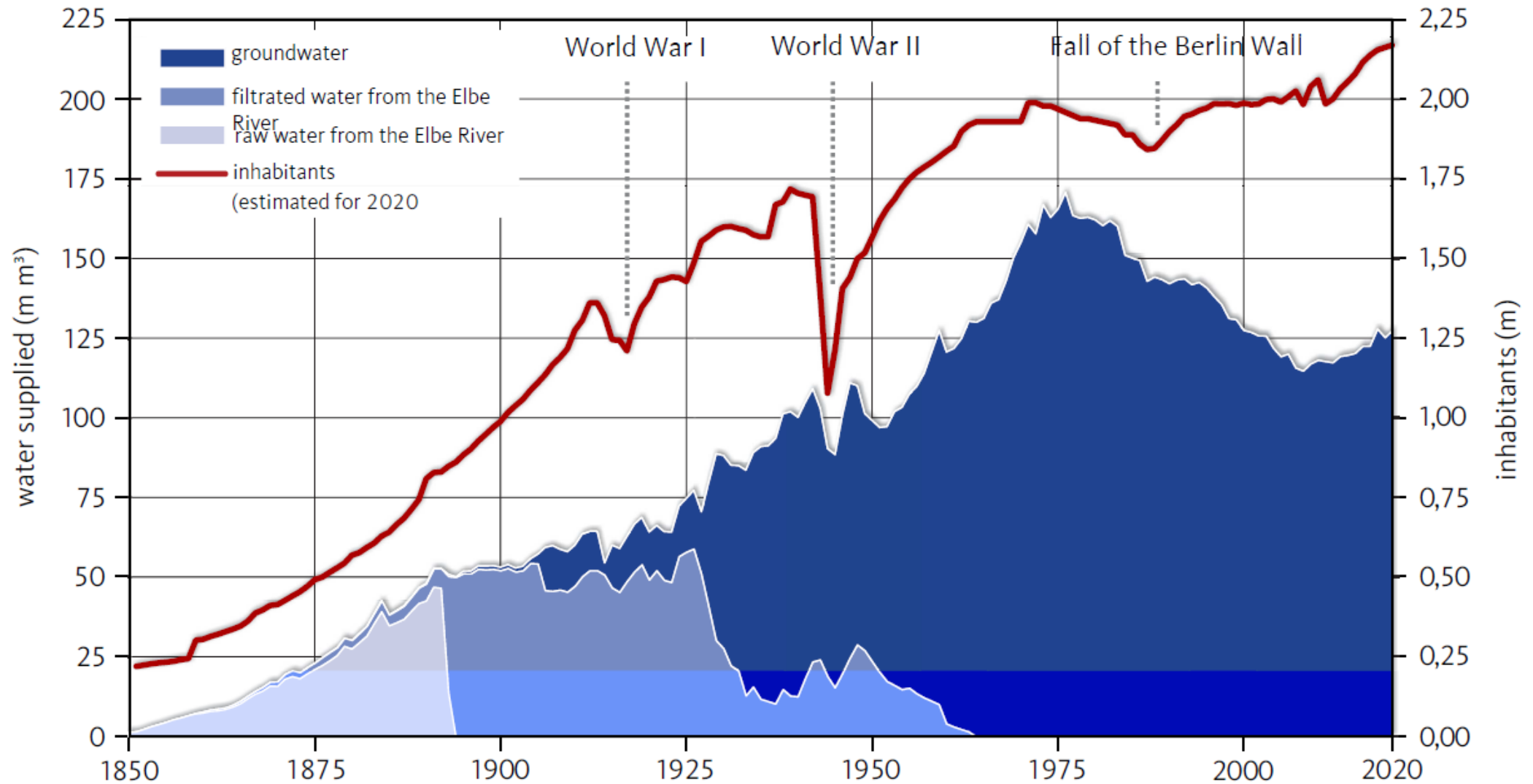




HAMBURG
WASSER

WHAT *DRIVES* OUR INNOVATION?

Development of Water Supply and Population in Hamburg



CO₂ FOOTPRINT HAMBURG WASSER 1990 (Electricity, Heat + Fuels)



1990

CO₂: 108.000t

7,6 %

energy self sufficiency

CO₂-emission in Mg



CO₂ FOOTPRINT HAMBURG WASSER 2020 (Electricity, Heat, Fuels)

2020



74,9 %



- Analysis, Vision, Strategy (1996, 2008, 2022)
- Incineration Plant, CHPs
- 3 Windturbines, Solarpower
- Biogas-upgrading to BioMethane
- Coverage of sludge-storage tank
- Purchase of green electricity only
- Many energy-saving projects

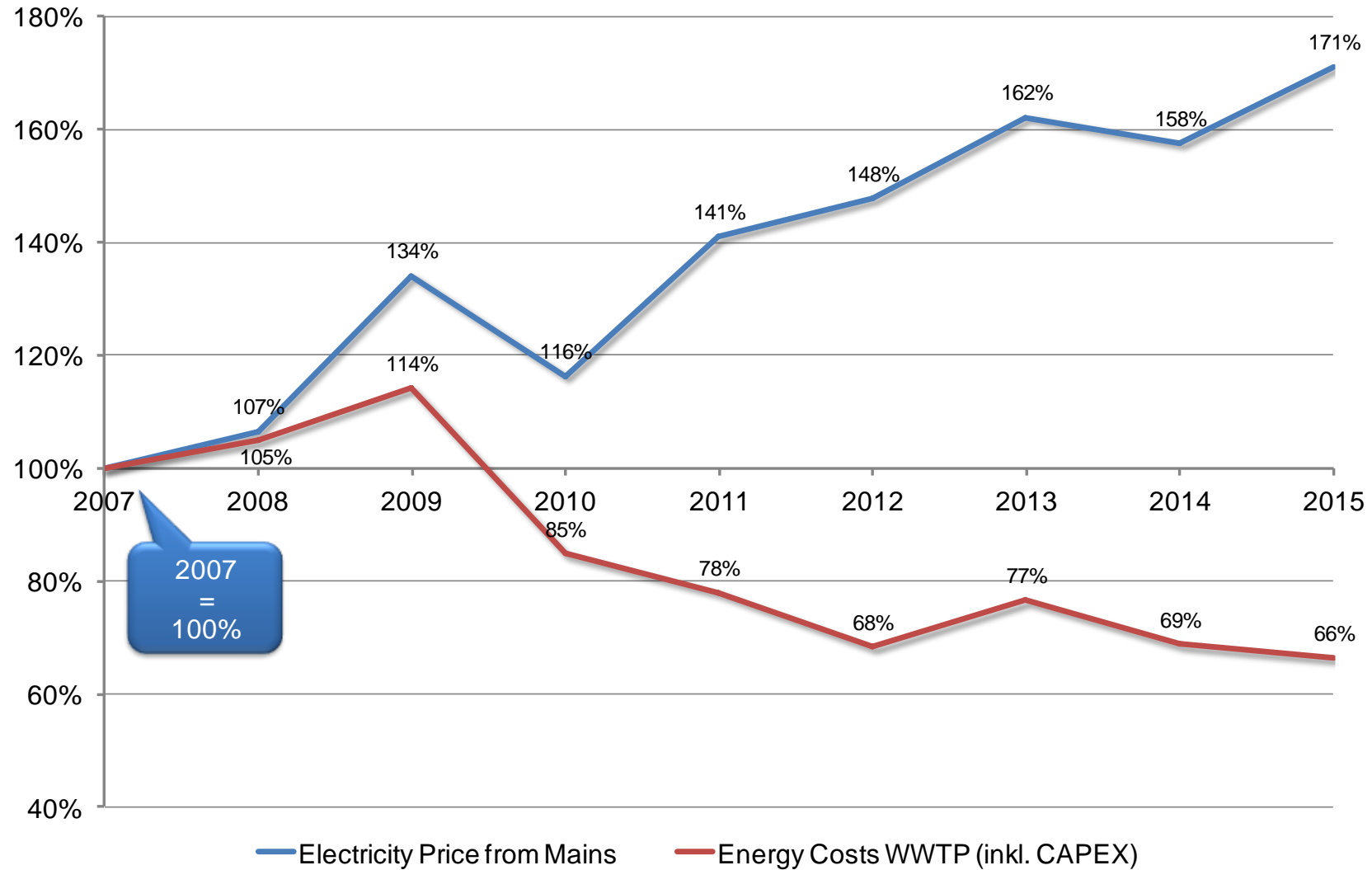
CO₂: - 9.600t

energy self sufficiency

CO₂-emissionen in Mg



Development of Energy Costs 2007 – 2015: Win-Win for Economy and Ecology



Sludge-tank-cover to
prevent CH₄-emissions

WHERE DO WE WANT TO GO?

LONG-TERM AMBITIONS

„Zero-emissions“
GHP scope 1 – 3
?

100% energy
self-sufficiency

Technology for 99%
removal of
microplastic, germs,
pharmaceuticals;
water-reuse

