

N155/5.X

5.9 MW

Nominal Power

20 Years (Baseline Scenario)

Service Life

IEC S

Wind Class

22,190 MWh/year per turbine

Annual Energy Production

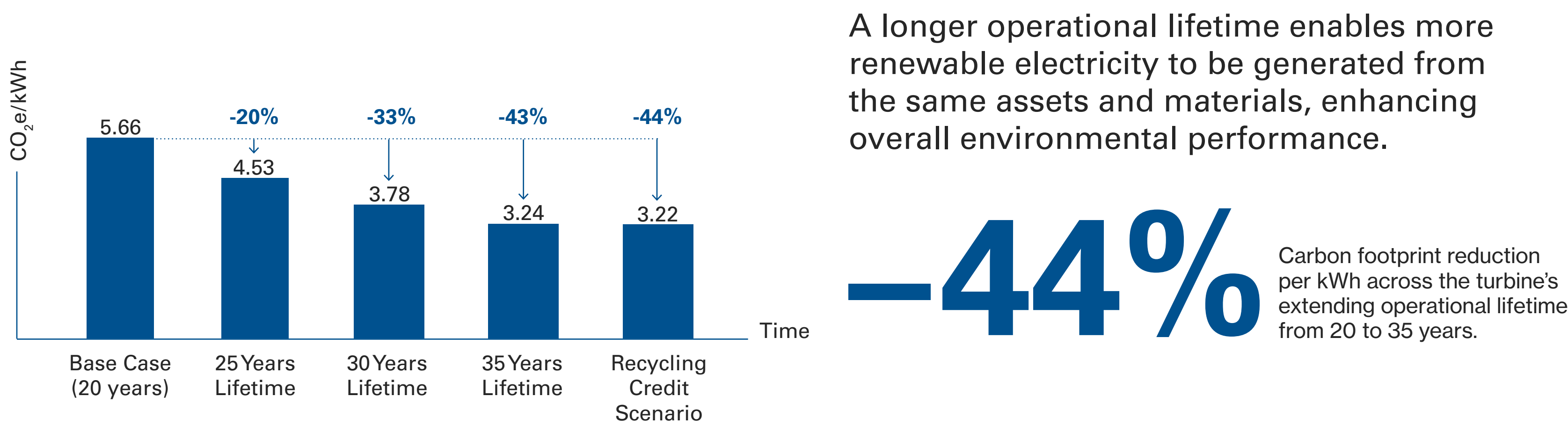
KEY SUSTAINABILITY INDICATORS*

Energy Payback Time	Return on Energy	Land use	Recyclability
~ 6.5 months	~37.1 times	~1.5 ha/turbine	~95%

*Based on internal LCA study, baseline scenario.

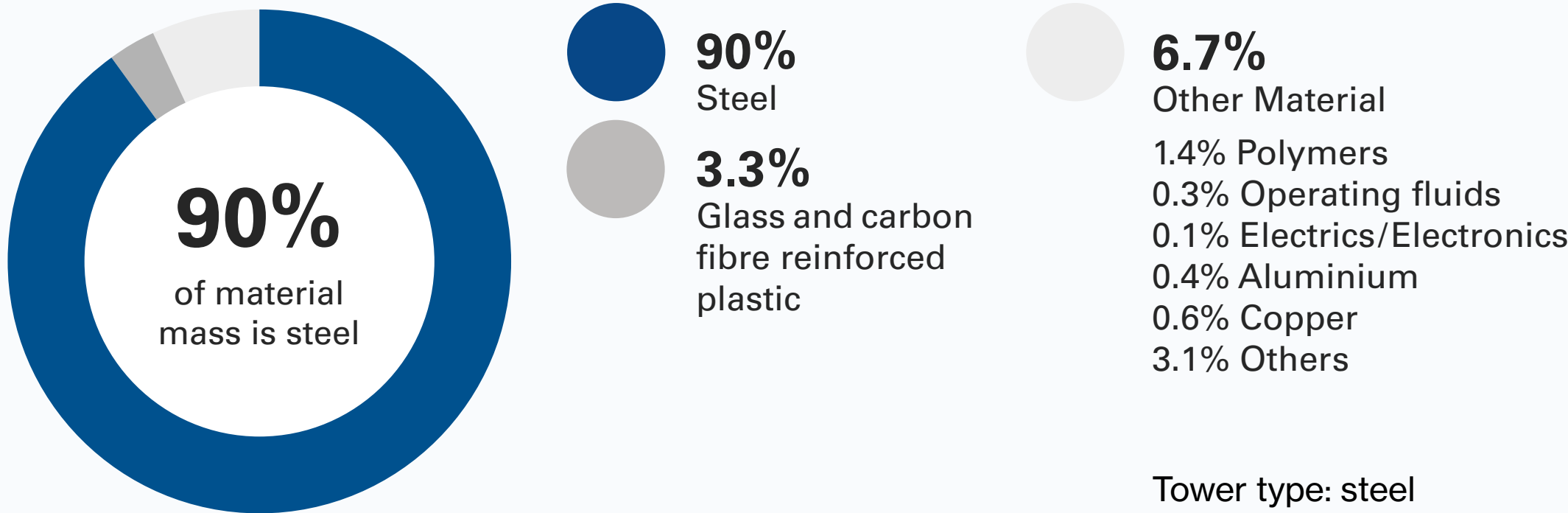
LIFETIME AS A KEY SUSTAINABILITY DRIVER

Carbon Footprint by Lifetime Scenario



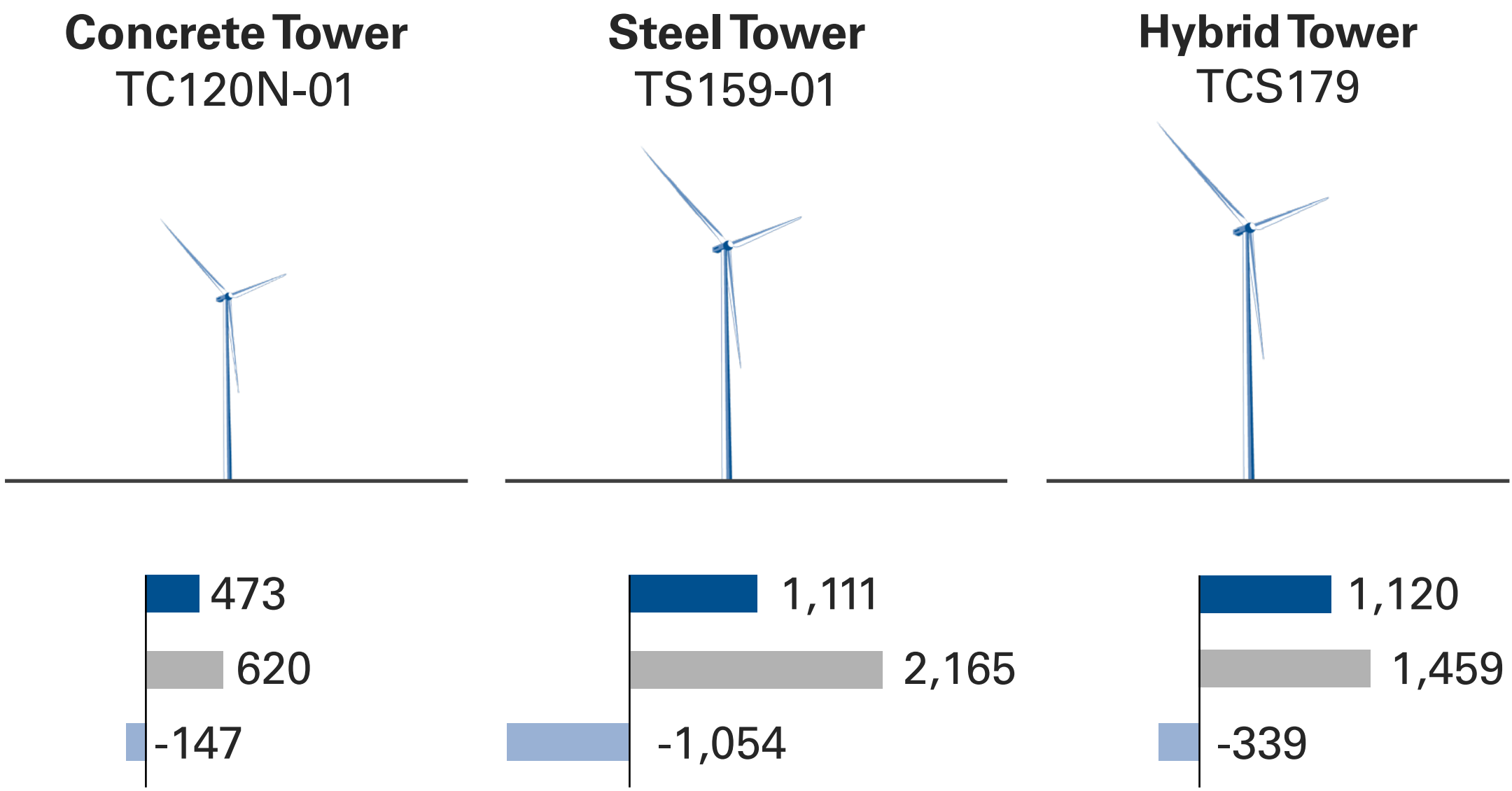
MATERIAL CHOICES SHAPE CARBON FOOTPRINT

Material production accounts for around 86% of the total global warming potential. **By offering low-emission steel and low-carbon concrete solutions**, Nordex directly addresses the largest material-related carbon hotspots.



IMPACT OF TOWER CONFIGURATIONS

Life Cycle Results with End-of-Life Credits



The choice of tower material influences the overall carbon footprint. Concrete towers deliver the lowest life-cycle emissions, while steel towers maximize recycling benefits.

- Total life cycle (t CO₂e):

Life cycle emissions, including end-of-life credits
- Life cycle emissions before end-of-life (t CO₂e):

Material production, transport, construction and operation
- End-of-life credits (t CO₂e):

Benefits from material recovery and recycling

