

Measure the Sustainability Impact of Your Process with **Sustainability Metrics**

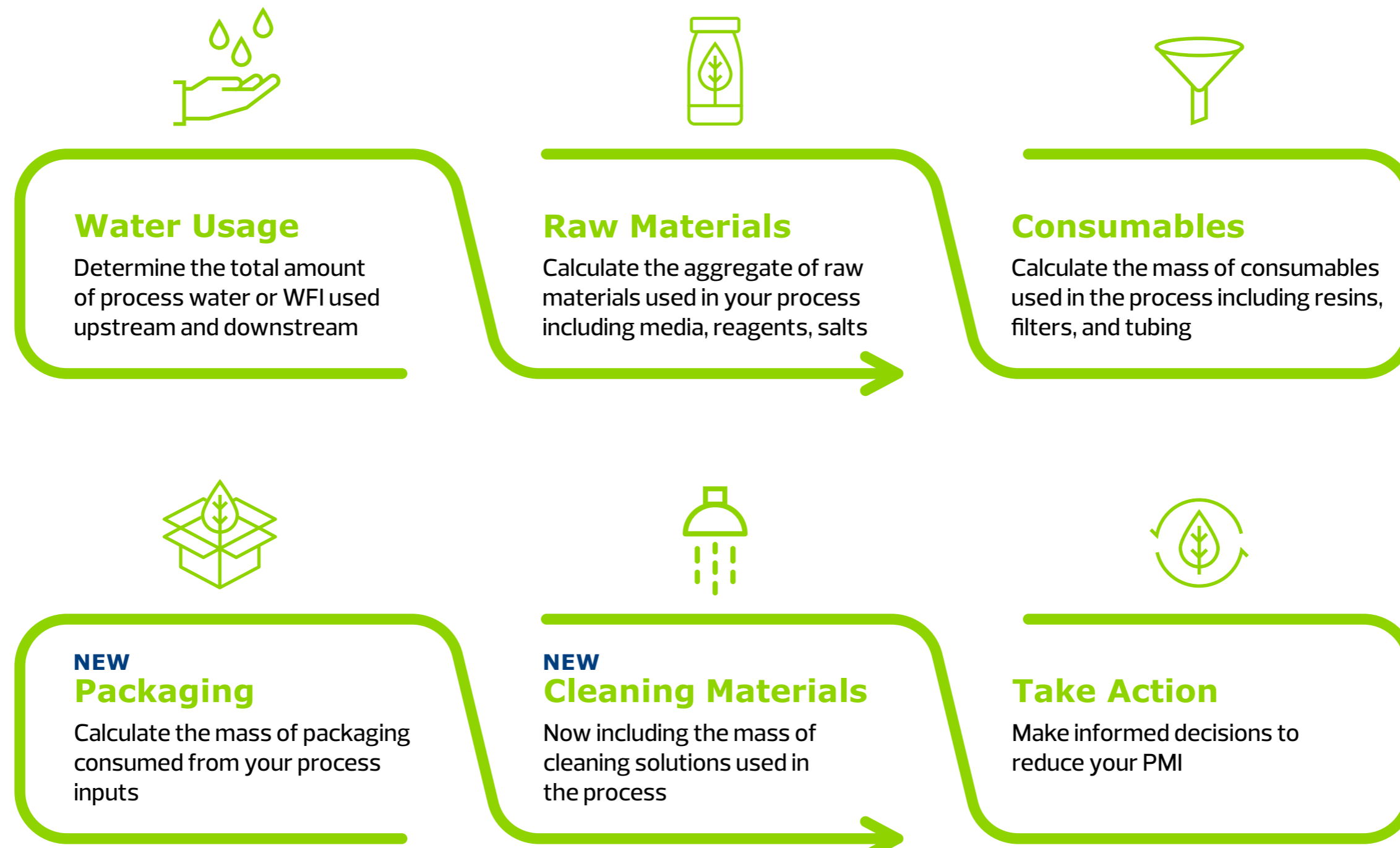


BioSolve **Process 9** Add-On Module

Combining an updated version of our Process Mass Intensity report with a new Environmental report that calculates your operating energy load and operating carbon footprint.

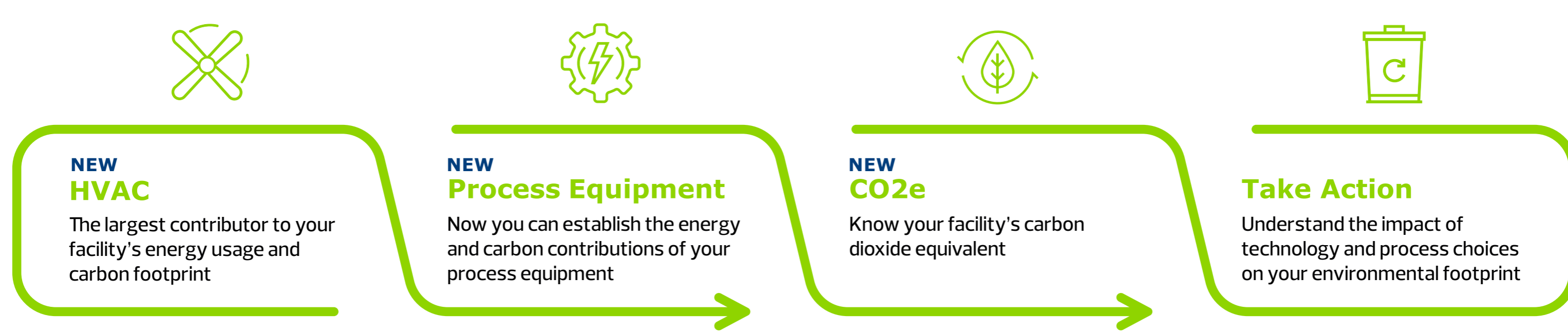
Calculate Your **Process Mass Intensity**

PMI provides a standard method for collecting mass data on the amount of water, raw material, and consumables used to produce 1 kg of API or product.



Calculate Your **Facility Operating Energy Load & Operating Carbon Footprint**

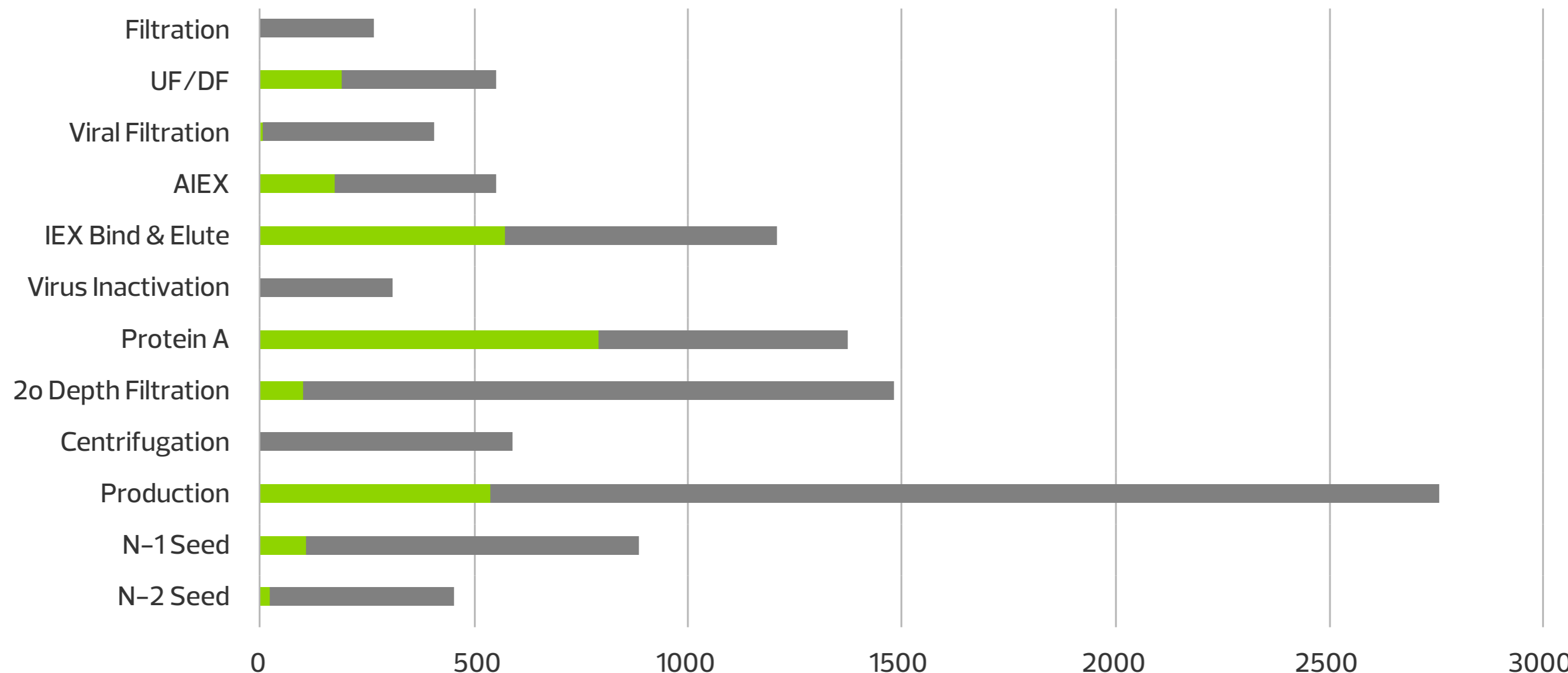
Further your company's sustainability goals. Determine your facility's energy consumption and carbon footprint from your process operations based on intelligent geographic-based modelling.



Configure. Report. Analyze

Select from our dashboard to configure, report, and analyze the commercial and environmental impact of running your bioprocess operations.

PMI Breakdown by Unit Operation

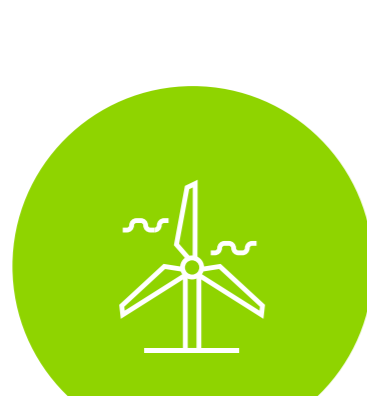


Considering the **Sustainability of Your Process?**

100%

Each of the **top ten pharma companies** engage in an environmental sustainability program

In order to improve the environmental sustainability footprint of your process, you must first measure its sustainability performance.



2025

Reduce water consumption in our operations by half versus 2016

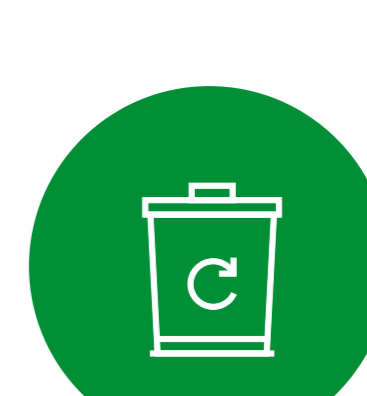
– Novartis^[1]



2030

Net zero impact on climate

– GlaxoSmithKline^[2]



2035

Zero waste to landfill

– AbbVie^[3]

Sustainability Programs of the Top 10 Pharma Companies

Company	Electricity	Carbon	Water	Waste
Johnson & Johnson	•	•		
Roche	•			
Novartis	•	•	•	•
Merck & Co.	•	•		
AbbVie	•	•	•	•
GlaxoSmithKline	•	•		
Bristol Myers-Squibb	•	•		•
Pfizer	•	•		
Sanofi	•	•	•	•
Takeda	•	•		

Sustainability Metrics Add-on Module for **BioSolve Process 9**

Learn more at biopharmservices.com

[1] Novartis Corporate Responsibility Statement: <https://www.novartis.com/our-company/corporate-responsibility/environmental-sustainability/water>

[2] GSK Press Release: <https://www.gsk.com/en-gb/media/press-releases/gsk-sets-new-environmental-goals-of-net-zero-impact-on-climate-and-net-positive-impact-on-nature-by-2030/>

[3] AbbVie Environmental Stewardship Position Statement: <https://www.abbvie.com/content/dam/abbvie-dotcom/uploads/PDFs/our-environmental-stewardship.pdf>