



THE FUTURE OF CARBON BLACK.

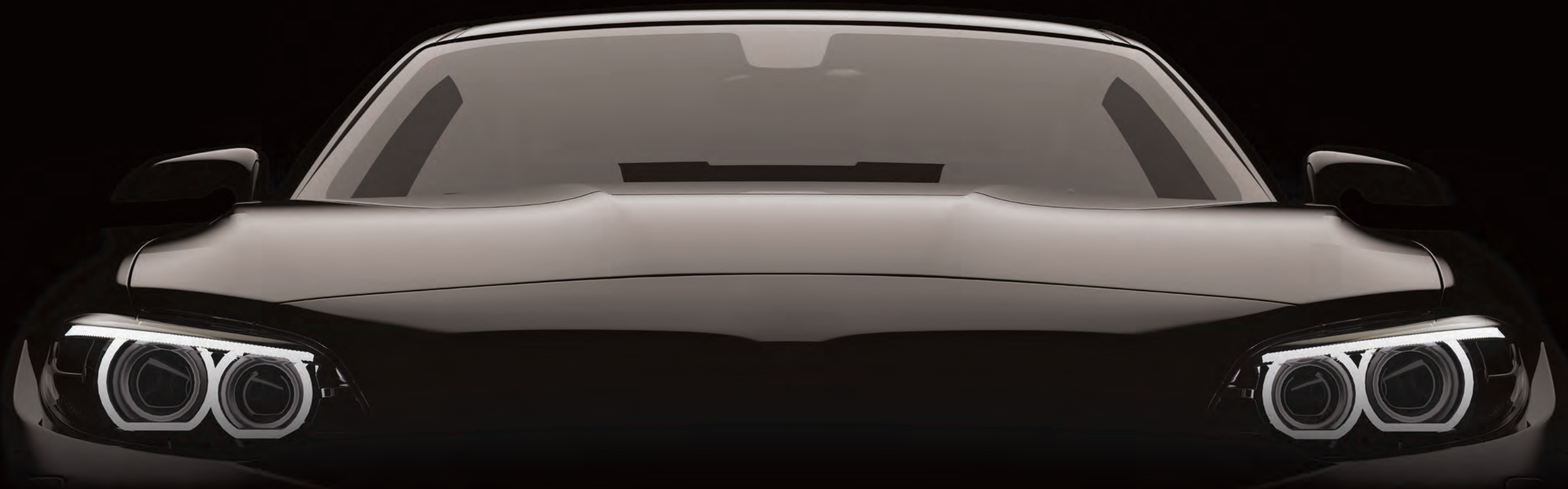
carbonblack.monolith-corp.com

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MMI-XXX





THE NEW CARBON BLACK.

**Created for a
low-emission future.**

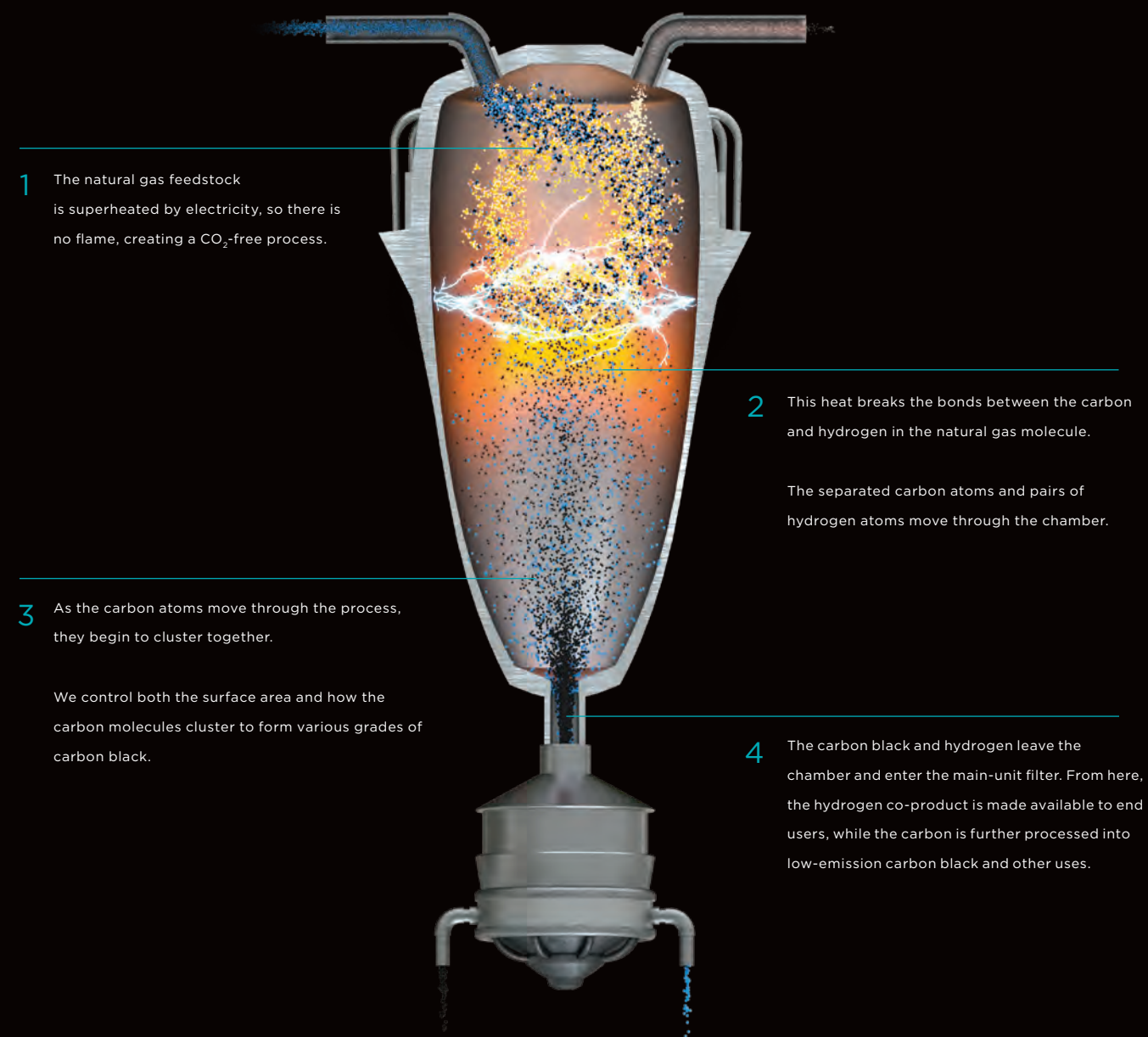
Monolith Carbon Black evolves carbon black into the inherently low-emission material your customers are demanding. The only sustainably produced carbon black, made without

combustion, Monolith Carbon Black significantly reduces CO2 emissions compared to conventional manufacturing, at a much greater yield, and virtually eliminates NOx and SOx.

Monolith Carbon Black sets the standard for true sustainability in the carbon-black industry — and is the only real way forward to a low-emission future.

The Monolith process

Conventional carbon black is produced by burning decant oil or coal tar, releasing large amounts of greenhouse gases into the atmosphere. Through its proprietary technology, Monolith has innovated the thermal plasma process, a form of methane pyrolysis which harnesses clean electricity to create a superheated plasma that cracks the natural gas molecule into high-purity carbon black and hydrogen. This sustainable process is virtually emissions-free, significantly reducing life-cycle carbon emissions, with a path toward a zero-emission or even carbon-negative future.



The plasma advantage



COMBUSTION-FREE

No oxygen is present inside the plasma reactor. Instead, clean electricity essentially creates a constant stream of lightning that superheats the natural gas molecule and breaks it apart. There is no flame and no combustion, unlike when oil is burned in the conventional furnace process to make carbon black.



LOW-EMISSION

Due to the absence of oxygen, combustion does not occur, resulting in minimal greenhouse gas emissions during the production of carbon black and hydrogen.



GREATER YIELD

The plasma process is even more efficient — delivering a yield of 95 percent, compared to conventional furnace black at 55% to 65% yield.

Monolith's sustainability story is as broad as it is deep. True, proven sustainability gives your products a definitive advantage in the marketplace.



SIGNIFICANTLY REDUCES CO₂ EMISSIONS

Traditionally, carbon black and hydrogen have been emission intensive industries. Monolith's plasma process significantly reduces life-cycle CO₂ emissions for these critical inputs that are widely used across industries.



AT MUCH GREATER EFFICIENCY

Monolith's process delivers a yield of 95 percent, compared to conventional manufacturing's 55 to 60 percent. We use less and make more.



ON A PATH TO CARBON-NEUTRAL OR CARBON-NEGATIVE

When we use natural or bio-derived feedstocks, we can draw down carbon intensity even further, allowing for the potential of a carbon-neutral or carbon-negative carbon black.



VIRTUALLY ELIMINATES NO_x AND SO_x

Beyond CO₂, Monolith's plasma process eliminates the release of other greenhouse gases such as sulfur oxide and nitrogen oxide, and other environmentally harmful gases created by conventional carbon black production.



USES MUCH LESS WATER

Not only does Monolith's process require much less water than conventional carbon black production, mainly for cooling, Monolith is able to return water to the aquifer.



UTILIZES CLEAN ELECTRICITY

Monolith's plasma process always utilizes clean, renewable electricity, virtually eliminating emissions from our power source.



Monolith directly contributes to eight of the 17 Sustainable Development Goals established by the United Nations

**LOW-EMISSION.
ACROSS INDUSTRIES.**

**Monolith delivers effective,
low-emission carbon black solutions
that range across industries
and categories.**



Monolith product lines

GreenBlack™ Designed for reinforcing applications

Bolt™ Ideal for applications with low-sulfur requirements

True™ Highest purity grades for the most stringent applications



Monolith, the global leader in low-emission carbon black and hydrogen

Monolith is the world's leading low-emission carbon black and hydrogen company. We are the first company to make methane pyrolysis work on a commercial and global scale, using 100% clean electricity to break down natural gas into hydrogen and carbon — with virtually no release of CO₂. From this innovative process, Monolith creates a wide range of economically sustainable products, including low-emission carbon black and ammonia.



Changing our planet's story

Thermal plasma carbon black plays an integral role in Monolith's mission to lead the way to a decarbonized, greener future. Our products are bringing high-performance, affordable and environmentally responsible solutions to industries that historically have been the largest contributors of greenhouse gas emissions. Monolith is driven to make lasting change in the world, while providing real value to the customers and industries we serve. And we're already making it happen today.