



Partners For  
A Cleaner Planet





# Cummins Emission Solutions And Faurecia Emissions Control Technologies.



The goal is simple: achieve global emissions standards in a manner that delivers innovation, dependability, flexibility and efficiency. The solution is as individual as every piece of equipment and every customer's needs. To optimize performance requires an ability to understand the function and nature of every element, from the air intake on the engine to the aftertreatment system.

That's why Cummins Emission Solutions has teamed up with Faurecia Emissions Control Technologies, a global leader in manufacturing and package design. Working together, we deliver innovative and reliable emissions technology with design and manufacturing expertise. Faurecia's excellence in manufacturing efficiency and its global footprint strengthen our presence in emerging markets and our responsiveness to new opportunities.

Cummins Emission Solutions track record within our markets brings technology expertise and robust reliability. Combined, we operate in 23 countries with 50 manufacturing locations, 27 distribution and staging locations, and 15 research and development centers — bringing you a higher level of product support and quality that impacts your bottom line.

## **Cummins Emission Solutions.**



Cummins Emission Solutions, a business unit of Cummins Inc., is a leading global designer, manufacturer and integrator of exhaust aftertreatment devices and engineered components for the on- and off-highway medium-duty and heavy-duty engine markets. As an independent component supplier, Cummins Emission Solutions has been supplying oxidation catalysts and diesel particulate filters to commercial vehicles since the 1980s, as well as Selective Catalytic Reduction (SCR) systems since 2005. Our expertise in exhaust and tubing components dates back to 1939.

## **Faurecia Emissions Control Technologies.**

Faurecia Emissions Control Technologies is a global leader in emissions control, pioneering technologies such as the first catalytic converters for passenger cars in 1974, the first diesel particulate filter for passenger cars with Peugeot in 2000 and the first titanium aftertreatment systems. Since 2005, Faurecia has been a leading manufacturer to commercial vehicle and engine manufacturers, as well as a leading manufacturer of Selective Catalytic Reduction (SCR) systems in Europe. In February 2010, Faurecia Emissions Control Technologies wholly acquired Emcon Technologies (formerly a division of ArvinMeritor).



## **Innovation.**

Our selection of diverse aftertreatment technology and engineered components allows you to differentiate your products from the competition's – with new and innovative technology you can depend on.

Our partnership synergizes technology development and best-practice sharing in all designs. Cummins Emission Solutions technology innovation ranges from industry-leading catalyst development and thermal technologies to highly capable dosing and sensing controls.

## **Dependability.**

Components and integrated aftertreatment solutions must be reliable. With Cummins Emission Solutions unrivalled engine knowledge and installation experience combined with Faurecia's manufacturing and quality control expertise as well as robust supply chain capabilities, you can depend on us. Cummins Emission Solutions and Faurecia bring the best of both worlds to our customers – with over 20 billion miles (32 billion km) of SCR experience by 2011.



As financially sustainable organizations, combined we have access to the best aftertreatment and component suppliers throughout the globe. This means reliable and quality products that are integrated into your vehicle powertrain.

## **Flexibility.**

Smaller is better. Easy installations are important. From compact catalysts for Tier 4 off-highway engines to heavy-duty aftertreatment systems that combine SCR and DPF functions, we constantly pioneer flexible ways to minimize weight and vehicle space claim.



Our partnership allows us to balance Faurecia's flexible manufacturing capabilities and Cummins Emission Solutions installation experience to create configurable aftertreatment products that meet your needs.




## **Efficiency.**

Fuel economy, cost of ownership, supply chain efficiency, emissions reductions – all of these impact your bottom line. Efficient designs that maximize fuel economy and customers' cost of ownership while meeting stringent emissions standards are a part of our culture.

Partnering with Faurecia expands the level of product support that allows responsiveness and efficiency in our product development. Cummins Emission Solutions brings capabilities in understanding engine algorithms, duty cycles, data management, dosing systems, operating parameters and system integration. Faurecia brings capabilities in efficient world-class manufacturing and packaging design, resulting in the optimal aftertreatment solution for your customers.

You will recognize supply chain efficiencies with Faurecia's productive manufacturing and assembly processes combined with our scale in material purchases with key suppliers.



This strategic partnership between Cummins Emission Solutions and Faurecia Emissions Control Technologies is a tremendous opportunity for our commercial vehicle customers, and we couldn't be more excited. We are able to combine our companies' strengths and core values to create the optimal solutions that our customers demand.

Working together, we offer a comprehensive portfolio of aftertreatment products and solutions that use leading-edge technology and world-class manufacturing with a proven track record. We are focused on developing innovative technology, building on our reputation for reliable products, dedicating ourselves to flexibility in designs and global access, as well as prioritizing efficiency in everything we do.

You can have confidence working with our world-class organizations.

*Srikanth Padmanabhan*  
*Vice President and General Manager*  
*Cummins Emission Solutions*

*Jean-Marc Hannequin*  
*Executive Vice President*  
*Faurecia Emissions Control*  
*Technologies*

# Customized Solutions.

We recognize that every customer has unique needs. So, much like our aftertreatment systems, we approach each project with the flexibility to customize what we do for you. From packaging and engineered components to fully integrated systems, we have what you need.

## Advanced Packaging.

- Global manufacturing and assembly
- Diesel Particulate Filters (DPFs), Selective Catalytic Reduction (SCR) systems, Diesel Oxidation Catalysts (DOCs), Three-Way Oxidation Catalysts, partial filters and burners
- Sensors (pressure, NOx, O<sub>2</sub>)
- Substrate sizing
- Precious-metal loading and management
- Thermal tubing and exhaust

## Engineered Components.

- Urea injection systems
- Hydrocarbon injection systems
- Thermal regeneration/burners
- Catalyst formulations
- Controls technology, including modules and software
- Urea decomposition



## Engineering Solutions.

- System integration and modeling
- Regeneration and thermal management solutions
- Emissions-compliance testing
- Electronic Control Module (ECM) tuning and licensing
- Catalyst development, including substrates and coatings
- Global prototyping



Cummins Emission Solutions  
500 Central Avenue  
Columbus, IN 47201  
U.S.A.

Internet: [cumminsemissionsolutions.com](http://cumminsemissionsolutions.com)

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