MECA-RUN

SOLUTIONS CATALOG 2026

FLEETS · INDUSTRY · AGRO-INDUSTRY · MARINE · PUBLIC SECTOR

BETTER PERFORMANCE. LOWER EMISSIONS. LONGER ENGINE LIFE.

French physical-action combustion catalyst · 100 % organic.
Dedicated lines for fleets, industry, agro-industry and marine.



Technologie & fabrication Française

1 : 5,000
1 liter of C99 or C-Fuel treats 5,000 liters of fuel
Highly concentrated

100 %
organic: no benzene, toluene or petroleum-derived solvents
Made in France

+14
years of measured results in Costa Rican companies
Since 2011

5
markets with their own line: fleets, industry, agro-industry, marine and public sector
Meca-Run Latinoamérica

SOLUTIONS FOR EVERY OPERATION


FLEETS AND TRANSPORT


INDUSTRY AND BOILERS


AGRO-INDUSTRY


MINING

In any engine or boiler, part of the fuel does not burn completely. That waste turns into black smoke, soot, deposits and wear: you pay for it twice, when you buy it and when you repair the equipment. Meca-Run products correct the problem at the source, without modifying your equipment or your fuel.

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AN ATOMIZER INSIDE THE COMBUSTION CHAMBER



Meca-Run works like an atomizer inside the combustion chambers: it turns the fuel into a cloud of very fine droplets that mix with oxygen and burn completely. The engine or boiler gets more energy from every liter and stops fouling itself with what used to go unburned. It is not a solvent and does not alter the fuel specification.

BENEFIT	WHAT IT MEANS FOR YOUR COMPANY
Lower operating cost	Fewer liters per kilometer or per ton of steam.
Less maintenance	Injectors, pumps, EGR valves, turbos and burners stay clean.
Longer-lasting equipment	Less soot in the oil and less wear at start-up.
Environmental compliance	Measurable reduction of CO, CO_2, HC, NOx, SO_2, particles and black smoke; support for ISO 14001 and ISO 50001.
No equipment investment	Added to the tank; no mechanical changes required.
Safe	Does not alter the fuel specification or damage sensors, catalytic converters or filters.

QUICK SELECTION GUIDE

MARKET	EQUIPMENT	MAIN SOLUTION	COMPLEMENT
Fleets	Fleet trucks, buses and diesel vehicles	C 99 Diésel Flotillas at every fill-up	Eco 10 000 Diésel Flotillas · P-18 Flotillas · OKO Truck & Bus
Fleets	Fleet gasoline vehicles	C 99 Gasolina Flotillas at every fill-up	Eco 10 000 Gasolina Flotillas · P-18 Flotillas
Public sector	Municipal and institutional fleet	Fleet line: C 99 Diésel or C 99 Gasolina Flotillas	Eco 10 000 Flotillas · P-18 Flotillas
Industry	Industrial boilers (bunker or diesel)	C-Fuel 5000	—
Industry	Power generators, furnaces and burners	C-Fuel 5000	—
Agro-industry	Tractors, harvesters and agricultural machinery	C 99 Diésel Agroindustria	Eco 10 000 Diésel Agroindustria · P-18 Agroindustria · OKO Off Road
Agro-industry · heavy machinery and mining	Excavators, loaders, dump trucks and quarry equipment	C 99 Diésel Agroindustria (1:5,000 up to 1:1,000)	Eco 10 000 Diésel Agroindustria · P-18 Agroindustria · OKO Mining X-Tra
Marinas	Diesel vessels	C 99 Diesel Marine	Eco 10 000 Diésel Marinas · P-18 Marinas
Marinas	Gasoline vessels (outboard)	C 99 Gasoline Marine	Eco 10 000 Gasolina Marinas · P-18 Marinas

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PRODUCT LINES BY MARKET

French formulas from Hi-Tec International, highly concentrated and 100 % organic. Each market has its own line, with the market name on the label. Pack sizes and contracts: Sales Department 8930-9507.

FLEET LINE · ALSO PUBLIC SECTOR	WHAT IT IS FOR	DOSE
C 99 Diésel Flotillas	Combustion catalyst for every fill-up: diesel burns completely, with less black smoke and opacity; cleaner injectors, pump and EGR; antibacterial.	10 ml per 50 L (1:5,000)
C 99 Gasolina Flotillas	Complete combustion in gasoline engines: smooth starts and injection free of gums and varnishes.	10 ml per 50 L (1:5,000)
Eco 10 000 Diésel Flotillas **Eco 10 000 Gasolina Flotillas**	Deep cleaning of the fuel system: injectors, pumps, EGR and turbo; disperses water from the tank.	Light vehicles: 250 ml per 50 L every 10,000 km. Heavy vehicles: 1 L per 500 L (1:500)
P-18 Flotillas	Anti-friction treatment for engine, gearboxes and differentials: less wear at start-up and longer-lasting oil.	4 % of the oil (2 % in hydraulics and 2-stroke)

INDUSTRY LINE	WHAT IT IS FOR	DOSE
C-Fuel 5000	Catalyst for bunker fuel, diesel and kerosene in boilers, furnaces, burners and generators: more steam per gallon, cleaner stacks, less soot and particles.	1:5,000 at every fuel delivery

AGRO-INDUSTRY LINE · HEAVY MACHINERY AND MINING	WHAT IT IS FOR	DOSE
C 99 Diésel Agroindustria	Complete combustion in tractors, harvesters, irrigation pumps, heavy machinery, construction and mining, all year round; tanks free of water and sludge.	1:5,000 at every fill-up (up to 1:1,000 in high-consumption mining equipment)
Eco 10 000 Diésel Agroindustria	Deep cleaning of the machinery's injectors and fuel system.	1 L per 500 L (1:500)
P-18 Agroindustria	Anti-friction treatment for the machinery's engines, transmissions and hydraulics.	4 % of the oil (2 % in hydraulics)

MARINE AND NAUTICAL LINE	WHAT IT IS FOR	DOSE
C 99 Diesel Marine **C 99 Gasoline Marine**	Complete combustion in marine engines; tanks free of condensation water and bacteria, and less smoke at the dock.	1:5,000 at every fill-up
Eco 10 000 Diésel Marinas **Eco 10 000 Gasolina Marinas**	Initial cleaning of injectors and the fuel system.	1:500 as initial cleaning; optional maintenance every 500 h
P-18 Marine	Anti-friction treatment for marine engines and transmissions.	4 % of the oil

DOSAGE: The 1:5,000 ratio (1 liter per 5,000 liters of fuel) applies to the C99 and C-Fuel 5000 lines; the exact dose for each application is given in its technical data sheet. ECO 10000 is dosed at 1:500 (1 liter per 500 liters) for fleets, marine, heavy machinery and industrial equipment.

TWO-STAGE EFFICIENCY PROGRAM

- **Stage 1 · Lubrication:** P-18 in the oil: less friction, longer-lasting oil and restored compression.
- **Stage 2 · Combustion:** ECO 10000 as a shock treatment and C99 at every fill-up.

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SOLUTIONS BY MARKET

MARKET	MAIN PRODUCT	FOCUS
Fleets and transport	C 99 Diésel Flotillas + Eco 10 000 Diésel Flotillas	km per liter, EGR and filter maintenance, vehicle inspection and CO_2 per ton-mile (EPA).
Industry	C-Fuel 5000	Pounds of steam per gallon of bunker fuel, kWh per liter in generators, stack emissions.
Agro-industry	C 99 Diésel Agroindustria	Liters per hour of harvesters and tractors all year round; tanks free of water.
Heavy machinery and mining (Agro-Industry Line)	C 99 Diésel Agroindustria + P-18 Agroindustria	High-consumption dump trucks, loaders and excavators (Caterpillar, Komatsu, Liebherr, Volvo, Hitachi, John Deere), with no mechanical modifications. International experience of the parent company Hi-Tec International (France).
Marinas	Marine line: C 99, Eco 10 000 and P-18 Marinas	Tanks free of condensation water, less smoke at docks, protected engines.
Public sector	Fleet line: C 99 and Eco 10 000 Flotillas	Environmental compliance, opacity, PGAI and Carbon Neutrality; registered supplier in SICOP.



BUSES



AGRO-INDUSTRY



MINING



MARINAS



GOVERNMENT AND MUNICIPALITIES



BOILERS



DELIVERY



GENERATORS

PROVEN RESULTS IN COSTA RICA

9.71 %
GRUPO TICAL
Diesel savings in a heavy fleet (2022–2024) and 73.16 t of CO_2 avoided.

25 %
TRANCESA
Euro III city buses.

+6 %
NESTLÉ · GERBER
Pounds of steam per gallon of bunker fuel: from 95.9 to 101.7.

+16 %
CARGILL
Production per gallon of fuel.

19 %
DEL MONTE · FRUCTA
Boiler efficiency.

–69 %
FLORIDA PRODUCTS · FIFCO
Stack particles: from 138 to 44 mg/m³; −42 % SO_2.

5.9 %
INGENIO EL VIEJO
Harvester 7031, 2022 harvest: from 44.61 to 41.98 L/h.

4.68 %
INGENIO TABOGA
Harvesters with C99, 2025-26 harvest.

0.01 m^{-1}
EURO V BUSES
Opacity at vehicle inspection: 98 % below the limit.

–42 % a –69 %
SO_2 and particles in bunker boilers
Laboratory analysis

0.05 m^{-1}
opacity of a Euro III bus with 334,424 km
94 % below the limit

73 t
of CO_2 avoided by Grupo Tical
EPA methodology



LOGISTICS


INDUSTRIAL PLANTS


HARVEST · EL VIEJO AND TABOGA

HOW WE IMPLEMENT IN YOUR COMPANY



1	**Diagnosis**	Technical visit and review of equipment, consumption and tanks.
2	**Baseline**	Consumption, km/L, steam per gallon, opacity or emissions analysis.
3	**Pilot test**	Controlled application on selected equipment, under a confidentiality agreement.
4	**Measurement**	Before-and-after comparison, with CO_2 calculated according to EPA.
5	**Implementation**	Dosing program and continuous follow-up.

COMPLEMENTARY LINE · OKO TYRE SEALANT

Preventive tire sealant from the United Kingdom: applied only once, it seals holes instantly, without stopping the route or waiting for the tire shop, while the vehicle keeps working. Off Road, Mining, Truck & Bus, X-Treme Dirt Bike and Quad/ATV grades.

DATA FOR YOUR INVENTORY AND THE COUNTRY'S GOALS

- **Black carbon (NDC 2025-2035):** Costa Rica committed to reducing black carbon by 20 % by 2030, compared with 2021, in public transport (EN-3), freight transport (EN-6) and industry (EN-12). Black smoke from the exhaust and the stack is black carbon: burning fuel better helps reduce it.
- **Bunker boilers (NDC, EN-13):** conversion of 10 % of category A and B industrial boilers by 2027, 20 % by 2030 and 30 % by 2035. As long as your boiler keeps running on bunker fuel, C-Fuel 5000 helps you burn it better and document the improvement.
- **IMN 2026 emission factors (16th edition):** diesel 2.613 kg of CO_2 per liter; gasoline 2.231; bunker 3.101. Every liter your operation stops consuming, measured before and after, reduces the CO_2 in your inventory in the same proportion.
- **Law 7447 on the Rational Use of Energy:** private companies that consume more than 360,000 liters of petroleum products per year must implement a mandatory rational energy use program (art. 4). Meca-Run contributes a measurable action to that program.
- **National Carbon Neutrality Program 2.0 (Decree 41122-MINAE):** we provide measured before-and-after consumption and emissions data for your greenhouse gas inventory and reduction plan. Recognition is granted by the accredited verification body.

The planet thanks you, and so does your engine

No benzene. No toluene. Less opacity. Longer engine life.

MECA-RUN LATINOAMÉRICA · Apuqueña Car, S.A. · Heredia, Costa Rica

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Notes: *Exclusive representative for Central and Latin America of Meca-Run (Hi-Tec International, France) and OKO Tyre Sealant (United Kingdom). Percentages are results reported by customers and vary with the equipment, its maintenance and the operation. Technical data sheets and safety data sheets available on request.*