

NEXT-GENERATION GREEN FUEL OPTIMIZATION SOLUTION

CLEANER · MORE EFFICIENT · PROTECTIVE · LOWER CARBON



FUEL OPTIMIZATION Efficiency Improvement

Fuel Saving $\geq 3\%^*$ | Emission Reduction $\geq 5\%^*$

Based on real-world operation data, it improves fuel quality, equipment condition and usage, reducing operating costs and enhancing efficiency.



MULTI-EFFECT PROTECTION

Cleaning · Lubrication · Anti-wear · Anti-corrosion

Effectively improves fuel quality and combustion efficiency, reducing wear and corrosion, and extending equipment service life.



NATURAL & SAFE FOR ENVIRONMENT

Made from renewable plant-based raw materials, completely non-toxic and free of harmful chemicals.

Biodegradable, environmentally friendly and safe, meeting international environmental protection requirements.



AUTHORITY CERTIFICATION & RELIABLE QUALITY

ISO · SGS · Intertek and other authoritative certifications

Approved for use in marine and vehicle engines, with product liability insurance coverage up to USD 10,000,000.



JOINT R&D & INDUSTRY VALIDATION

Collaborative R&D with universities and research institutions.

Proven through real-world testing and validation, delivering reliable results and consistently optimized fuel system performance.



DEVELOPMENT MILESTONES



1988

Originated in Australia. Specializing in additive raw materials, utilizing proprietary technology for production.



2019

Entered the Australian market and achieved great success with our additive products.



2021

Entered the Greater China market and began collaborative R&D of GFX MARINE marine fuel additives.



2025

In February, completed production, passed various test standards, and achieved stable and ideal results.

* Savings are based on real-world operation data: fuel saving $\geq 3\%$, emission reduction $\geq 5\%$.
Actual results may vary depending on fuel quality, equipment condition and usage, as well as operating conditions.

WHY FUEL IS WASTED IN MARINE ENGINES?

Fuel energy loss during combustion is caused by multiple factors, leading to reduced efficiency and increased operating costs.

MAIN CAUSES OF FUEL WASTE



1. POOR ATOMIZATION

Large and uneven fuel droplets,
uneven distribution and poor mixing

→ Part of the fuel does not fully participate in combustion



2. INCOMPLETE COMBUSTION

Incomplete combustion process,
leading to carbon deposits and black smoke

→ Lower energy conversion efficiency and fuel waste



3. INCREASED CARBON DEPOSITS

Deposits accumulate on injectors, pistons, valves,
etc., affecting engine components

→ Heat transfer efficiency decreases,
fuel consumption increases



4. UNSTABLE INJECTION SYSTEM

Contamination or wear in the fuel system
causes fluctuating injection pressure
and poor atomization

→ Unstable combustion and energy loss



GFX works through
three core mechanisms
to address the root
causes and improve
fuel combustion
efficiency.

GFX CORE MECHANISMS



1. BURN BETTER

- ✓ Optimizes atomization and combustion process
- ✓ Produces finer and more uniform fuel spray
- ✓ Improves air-fuel mixing and reduces incomplete combustion
- ✓ Enhances energy conversion efficiency



2. STAY CLEAN

- ✓ Disperses and removes carbon, sludge, and contaminants
- ✓ Prevents deposit formation and system fouling
- ✓ Reduces filter blockage and wear
- ✓ Keeps the fuel system clean and extends equipment life



3. INJECT MORE STABLE

- ✓ Maintains reliability of the injection system
- ✓ Improves lubrication and reduces component wear
- ✓ Ensures stable injection pressure and consistent atomization
- ✓ Enhances long-term operational stability



FUEL SAVING IS NOT A SINGLE EFFECT – IT IS THE RESULT OF THREE MECHANISMS WORKING TOGETHER.

Better combustion + Cleaner system + More stable injection = Lower fuel consumption and lower emissions



DEVELOPED IN AUSTRALIA
Organic fuel optimization technology



TESTED ON ENGINES AND
VALIDATED IN MULTIPLE REAL-WORLD APPLICATIONS



NON-HAZARDOUS PRODUCT WITH
GLOBAL LIABILITY INSURANCE COVERAGE

FROM "LARGE DROPLETS" TO "EFFICIENT COMBUSTION"

FROM LARGE DROPLETS TO EFFICIENT COMBUSTION

GFX optimizes fuel atomization, combustion, and cleaning, so every drop of fuel releases more useful energy.

BEFORE USE: INCOMPLETE COMBUSTION, HIGH ENERGY LOSS

**POOR ATOMIZATION**

- Droplet size is large and uneven
- Uneven distribution and poor mixing
- Insufficient air-fuel blending

**INCOMPLETE COMBUSTION**

- Part of the fuel does not fully burn
- Produces black smoke
- Generates harmful gases and increases emissions

**CARBON DEPOSIT & CONTAMINANTS**

- Carbon deposits on pistons, valves, injectors, etc.
- Heat transfer reduced, maintenance costs increased

**LOW ENERGY DENSITY, HIGH FUEL CONSUMPTION**

- Lower energy output per unit of fuel
- Higher operating cost
- More emissions, greater environmental impact



Optimizing the
characteristics
of fuel improves
system status
and combustion
efficiency

Less fuel
More energy

AFTER USE: COMPLETE COMBUSTION, IMPROVED EFFICIENCY

**SMALLER, UNIFORM DROPLETS**

- Smaller droplet size and uniform distribution
- Better air-fuel mixing
- More complete and faster combustion

**COMPLETE COMBUSTION, HIGH EFFICIENCY**

- Fuel fully combusted
- Less black smoke
- Cleaner exhaust emissions

**LESS CARBON, CLEANER SYSTEM**

- Reduced carbon deposits and system fouling
- Improved heat transfer
- More reliable equipment and lower maintenance

**HIGHER ENERGY DENSITY, LOWER FUEL CONSUMPTION**

- More energy output per unit of fuel
- Lower operating cost
- Lower emissions, better compliance



IT'S NOT ABOUT MAKING THE ENGINE WORK LESS,
BUT ABOUT MAKING EVERY DROP OF FUEL DELIVER MORE USEFUL ENERGY!

ENERGY SAVING PERFORMANCE (TYPICAL RESULTS)



Marine Applications

≥ 3%



Land-Based Equipment

≥ 5%

**IMPORTANT NOTE:**

- ✓ Actual results vary depending on fuel quality, equipment condition, voyage route, and operating environment.
- ✓ Continued use helps keep the fuel system clean and maintain optimal atomization and combustion performance.

**Better Atomization**

More even droplets,
better mixing

**Better Combustion**

More complete
burning

**Cleaner System**

Less deposits,
long-term clean

**Lower Emissions**

Meets environmental
compliance



DEVELOPED IN AUSTRALIA

Organic fuel optimization technology



TESTED ON ENGINES AND

VALIDATED IN MULTIPLE REAL-WORLD APPLICATIONS



NON-HAZARDOUS PRODUCT

MSDS certified and safe to use



GLOBAL LIABILITY INSURANCE

Full insurance coverage for
your peace of mind

WHY CHOOSE GFX® INSTEAD OF TRADITIONAL ADDITIVES?

Traditional additives address single or limited functions, while GFX provides a comprehensive fuel optimization solution for the entire fuel system.

COMPARISON DIMENSION	GFX® ENVIRONMENTALLY FRIENDLY FUEL OPTIMIZATION SOLUTION	TRADITIONAL FUEL ADDITIVES (SINGLE OR LIMITED FUNCTION)
 MECHANISM OF ACTION	Multi-functional Synergistic Action (System Optimization) Addresses multiple issues simultaneously: combustion, cleaning, lubrication, stability, low-temperature flow, anti-microbial, etc., for comprehensive system optimization.	Single or Limited Function Only solves one problem (e.g., cleaning, lubrication, or flow improvement) and cannot optimize the entire fuel system.
 PERFORMANCE RESULTS	Proven, Stable and Sustainable Results Improves combustion efficiency, reduces fuel consumption, lowers emissions, increases power, and delivers long-term, consistent performance.	Results Vary, Often Temporary Short-term results are unclear, or only effective under specific conditions and cannot deliver long-term stable performance.
 FUEL SAVINGS & EMISSION REDUCTION	Fuel Saving ≥ 3% (Marine) / ≥ 5% (Land) Simultaneously reduces CO, NOx, PM and other harmful emissions, and complies with IMO / MARPOL environmental regulations.	Unstable and Limited Emission Reduction Limited reduction effect, difficult to meet strict environmental regulations.
 SYSTEM PROTECTION	Comprehensive Protection, Extends Equipment Life Reduces carbon deposits and corrosion, enhances lubrication, inhibits microbial growth, lowers maintenance costs and prolongs equipment life.	Limited Protection Scope Effective only for certain components/issues, unable to provide full-system protection.
 INGREDIENTS & SAFETY	Pure Organic Formula – Non-Hazardous Derived from natural Australian plant extracts, non-hazardous, environmentally friendly, safe to store and meet global regulatory requirements.	Some Products Contain Harmful Chemicals May contain metal-based or high-toxicity ingredients, which can pose health risks to personnel, equipment and the environment.
 OVERALL VALUE	True System Optimization Solution Reduces operating costs, improves equipment reliability, helps achieve emission compliance, and creates long-term value.	Short-Term Solution Addresses single issues, difficult to bring sustainable economic and operational value.



CHOOSING GFX®, NOT AN ADDITIVE,
BUT LONG-TERM OPERATIONAL BENEFITS AND ENVIRONMENTAL COMPETITIVENESS.



LOWER
OPERATING COSTS



PROTECT
EQUIPMENT



REDUCE
EMISSIONS



IMPROVE
COMPETITIVENESS



DEVELOPED IN AUSTRALIA
Organic fuel optimization technology



TESTED ON ENGINES AND
VALIDATED IN MULTIPLE REAL-WORLD APPLICATIONS



NON-HAZARDOUS PRODUCT
Global liability insurance coverage

05

PROOF &
DATA SUPPORT

REAL TEST RESULTS & DATA SUPPORT

Laboratory tests, real-world verification, engine bench tests,
multi-dimensional validation, and reliable results.GFX
MARINEFUEL OPTIMIZATION SOLUTION
FOR MARINE ENGINESMULTI-VALIDATION
RELIABLE RESULTSAUTHORITY
CERTIFICATIONGLOBAL
APPLICATIONSIGNIFICANT
PERFORMANCE

01 Laboratory Fuel Oil Test (SGS / Intertek)

Using low-sulfur fuel oil (VLSFO) as an example, adding GFX Marine significantly improves fuel quality.

Test Item (Unit)	Before Adding GFX	After Adding GFX	Improvement
Total Heat Value (MJ/kg)	41.98	43.26	↑ 3.0%
Viscosity (cSt @40°C)	92.28	86.70	↓ 6.1%
Flash Point (°C)	78	72	↓ 7.7%
Carbon Residue (mg/100ml)	24.3	11.8	↓ 51.4%
Ash Content (wt%)	10.89	9.24	↓ 15.1%
Sulfur Content (wt%)	0.49	0.45	↓ 8.2%
Water Content (vol%)	0.10	<0.05	Improved



SGS Test Report



Intertek Test Report

* Data source: SGS / Intertek Laboratory Reports (Report No. available on request)

02 Real Ship Test (Multi-Type Vessels)

Tests conducted under different seas, different routes,
and different ship types show significant results.

- Fuel Saving
5%~10%
Average fuel saving rate
- CO Emissions Reduced
26%
Average reduction rate
- NOx Emissions Reduced
26%
Average reduction rate
- Exhaust Gas Temperature Reduced
2~3°C
Average reduction

Actual ship operation -
data verifiable* Test routes: VLCC / VLCC / Aframax /
Panamax / OSV, etc.03 Vehicle Fuel Saving & Emission Reduction
(Multi-Region & Fleet Validation) Tests conducted on passenger cars, engineering vehicles
and trucks show excellent results.

Average Fuel Saving

	Australia 6%~12%
	Singapore 5%~9%
	China 5%~8%
	Malaysia 5%~9%

Emission Reduction (Mitsubishi Triton Test)

CO Reduction	NOx Reduction
High Load (2500 RPM) ↓ 39%	Low Load (650 RPM) ↓ 79%
Exhaust cleaner, DPF performance improved	High Load (2500 RPM) ↓ 10%

* Data source: Various regions & fleet test reports

04 Engine Bench Test (CSSC-MES)

CMD-6S50ME-C8.2 MAN B&W
Two-stroke marine diesel engine test
Over 1000+ hours of cumulative test verification

1.3%~1.5%
 BSFC Reduced
 (SFOC)

2~3°C
 Exhaust Gas Temperature
 Reduced

 Reduced Carbon
 Deposits and
 Improved Cleanliness

CMD
 No Objection
 (No Objection)

CMD NO OBJECTION STATEMENT

CSSC | CMD

As the manufacturer of the engine, we have tested the engine with the GFX fuel additive and found that the engine performance is improved and the emission is reduced. We have no objection to the use of this additive.



“ Through testing, GFX fuel additive effectively improves fuel consumption and combustion cleanliness. It plays a positive role. CMD has no objection to the use of this additive. ”

— CSSC-MES Diesel Engine Co., Ltd.
(Shanghai)

DEVELOPED IN AUSTRALIA
Organic fuel optimization technologyAUTHORITY CERTIFIED
ISO / SGS / IntertekMULTI-SCENARIO VALIDATED
Ships / Vehicles / Engine BenchesNON-HAZARDOUS PRODUCT
Global Liability Insurance Coverage
AUD 10,000,000

PROVEN SAVINGS, MEASURABLE RETURNS

Significant fuel savings with measurable returns and strong business case.
GFX delivers direct cost savings and competitive advantages for shipowners.



Marine Application – Cost Savings Estimation (Example Based on a Large Container Ship)

Assumptions: Operation 30 days | LSFO price: USD 550/ton | CO₂ price: USD 80/ton | Crew: 24 | Operation: 300 days/year

Item	Conservative Estimate (≥3% Fuel Saving)	Typical Result (≥5% Fuel Saving)
Fuel Saving Rate	≥3%	≥5%
Daily Fuel Saving	0.90 ton/day	1.50 ton/day
Daily Fuel Cost Saving	USD 495/day	USD 825/day
Daily CO ₂ Emission Reduction	2.84 ton CO ₂ /day	4.84 ton CO ₂ /day
Daily CO ₂ Cost Saving	USD 227/day	USD 227/day
Daily Total Saving	USD 722/day	USD 1,203/day
Annual Total Saving (300 days)	USD 216,600/year	USD 360,900/year

* Actual results may vary depending on fuel quality, equipment condition, route, operating environment, etc. Results are based on continuous use and stable performance.

Faster ROI, Lower Risk



Lower Investment

Additive cost as low
as 0.1%–0.3%
of fuel cost



Quick Payback

Usually
2–4 weeks
to recover cost



Equipment Improvement

No modification
required, ready
to use
Safe operation



Compliance & Competitiveness

Helps meet
environmental
regulations
Improve CII rating
Enhance market
competitiveness

Long-Term Value

- ✓ Sustained fuel savings, lower fuel costs
- ✓ Reduced emissions, lower carbon cost
- ✓ Keep equipment clean, reduce wear and tear
- ✓ Extend equipment life, reduce maintenance cost
- ✓ Extend equipment life, enhance ship asset value



FUEL SAVING IS NOT ACCIDENTAL, IT IS THE RESULT OF SYSTEM OPTIMIZATION

Better combustion + Cleaner system + More stable injection
= Lower fuel consumption and lower emissions

5%~10%

Fuel Saving Potential

Not a dream,
it is achievable

2~4 Weeks

Quick Return

Short payback period,
fast ROI

3% / 5%

Emission Reduction

Marine ≥3%
Land ≥5%

Million-Dollar Annual Saving

Real savings
you can see



DEVELOPED IN AUSTRALIA
Organic fuel optimization
technology



ENGINE TESTED &
REAL-WORLD VERIFIED
1000+ hours engine tests
Multi-scenario validation



NON-HAZARDOUS
SAFE & ENVIRONMENTALLY FRIENDLY
Safe to use, no worries



GLOBAL INSURANCE COVERAGE
Product liability insurance
AUD 10,000,000



PROVEN RESULTS
Real data support
Results you can verify

SIMPLE TRIAL PROCESS, LOW RISK, REAL RESULTS



FUEL OPTIMIZATION SOLUTION
FOR MARINE ENGINES

Standardized trial process to ensure measurable results and high efficiency,
helping you make a confident decision.



Proven Performance
Real Test Results



Low Risk
Small Investment



Data-Driven
Results Quantified

STANDARD TRIAL PROCESS (RECOMMENDED PERIOD: 4-8 WEEKS)

1



Pre-Trial Communication & Evaluation

- ✓ Understand your vessel, fuel, engine condition
- ✓ Evaluate current fuel consumption and operational data
- ✓ Confirm trial objectives & success criteria

2



Product Delivery & Guidance

- ✓ Provide GFX Marine product
- ✓ Provide SDS (MSDS) and safety documentation
- ✓ Technical support for usage guidance on site/remote

3



Additive Dosing & Operation

- ✓ Dose according to recommended ratio
- ✓ Naturally blend and run for 48 hours
- ✓ Operate under normal working conditions

4



Data Collection & Analysis

- ✓ Record daily fuel consumption
- ✓ Record key parameters (if any)
- ✓ Monitor engine performance and operating status
- ✓ Compare results vs. baseline

5



Result Evaluation & Cooperation Promotion

- ✓ Provide test summary report
- ✓ Evaluate fuel saving effect
- ✓ Confirm long-term cooperation and customized solution

WE PROVIDE FULL-SCOPE SUPPORT



Professional Technical Support

Dedicated team support to ensure smooth trials and implementation



Data Analysis Service

Provide professional data analysis and result evaluation reports



Flexible Trial Solution

Tailored trial plans based on your vessel's actual condition



After-Sales Service Guarantee

Quick response to any issues during the trial

RECOMMENDED DOSING RATIO (GFX MARINE)

Initial Trial (First Use)

1 L : 5,000 L
GFX Marine : Fuel

Maintenance Dose (After 1 Month of Effective Use)

1 L : 10,000 L
GFX Marine : Fuel

① Naturally blend and run for 48 hours before normal use.

TRIAL NOTES

- ✓ Recommended trial period: 4-8 weeks (can be extended if needed)
- ✓ Additive cost: 0.1% - 0.3% of fuel cost
- ✓ Does not require modification to the engine or equipment
- ✓ Can be added at any time, safe and easy to use
- ✓ Results may vary depending on fuel quality, equipment condition and operating environment



START YOUR TRIAL NOW, SEE REAL RESULTS!

Small investment with big value,
let data and results speak for themselves!



LOW RISK

Small investment
low risk



QUICK & EFFECTIVE

Visible results in
2-4 weeks



DATA VERIFICATION

Real data,
measurable results



MUTUAL BENEFIT

Long-term value
and win-win cooperation



AUSTRALIAN TECHNOLOGY

Organic fuel optimization
technology



MULTI-DIMENSIONAL VALIDATION

Laboratory / Real Ship / Engine Bench
Comprehensive validation



NON-HAZARDOUS

Safe & environmentally friendly
Worry-free to use



GLOBAL INSURANCE COVERAGE

Product liability insurance
Coverage up to AUD 10,000,000

BUILDING PARTNERSHIPS, DELIVERING VALUE

We grow together with global partners, providing high-value fuel optimization solutions for a greener and more efficient marine industry.

MULTI-LEVEL PARTNERSHIP MODEL



GLOBAL AGENTS

Exclusive rights in the authorized region, premium products, competitive pricing

- Exclusive agency rights
- Marketing support
- Branding support
- Localization support



MARINE DEALERS

Focus on the marine market, provide professional products and services

- Product trial support
- Technical service support
- Solution recommendation
- Marketing support



LOCAL DISTRIBUTORS

Serve local markets, industrial, power generation and marine sectors

- Product supply guarantee
- Regional protection
- Sales incentives
- Performance feedback



TECHNICAL SERVICE PROVIDERS

Provide technical support, testing services and data analysis

- Technical training
- Testing & certification
- Inspection & analysis
- Data sharing

KEY BENEFITS FOR PARTNERS



HIGH PROFIT MARGIN

High product profitability, continuous market demand brings stable and long-term profit opportunities



STRONG BRAND SUPPORT

GFX global brand authority, certification and insurance protection enhance customer trust



PROFESSIONAL TECHNICAL SUPPORT

Professional technical training, trial support and marketing assistance from our dedicated team



GLOBAL MARKET POTENTIAL

Global marine industry continues to grow, huge market opportunities and long-term development prospects

WE PROVIDE TO OUR PARTNERS



COMPREHENSIVE TRAINING

Product knowledge, technical application, sales skills and market expansion training



MARKETING SUPPORT

Marketing materials, case sharing, online & offline promotion support



TESTING & DATA SUPPORT

Trial plan guidance, data collection and analysis, and report sharing



AFTER-SALES SUPPORT

Quick response to customer needs, professional technical consultation and problem solving



STABLE SUPPLY GUARANTEE

Global supply chain support to ensure product quality and timely delivery



PARTNER WITH GFX, WIN THE FUTURE!

- ✓ Meet environmental compliance requirements
- ✓ Enhance customer competitiveness
- ✓ Expand the green shipping market
- ✓ Achieve sustainable growth and profitability together
- ✓ Build a cleaner, more efficient and sustainable marine ecosystem

PARTNERSHIP PROCESS



1. Contact & Communication

Initial understanding and needs analysis



2. Solution Customization

Tailored cooperation plan based on your market and needs



3. Agreement & Authorization

Sign cooperation agreement and grant authorization



4. Training & Onboarding

Product & technical training and market preparation



5. Market Promotion

Joint promotion and market development



6. Growth & Sustainable Success

Continuous support and services, achieve win-win development



AUSTRALIAN R&D

Advanced organic fuel optimization technology



AUTHORIZED CERTIFICATION

ISO / SGS / Intertek



MULTI-SCENARIO VALIDATION

Ships / Vehicles / Engine Benches



NON-HAZARDOUS

Safe to use, worry-free operation



GLOBAL INSURANCE COVERAGE

Product liability insurance
Up to AUD 10,000,000

READY TO GROW TOGETHER?

LET'S CREATE VALUE. TOGETHER.

GFX Marine is more than a fuel additive —
it's a long-term partnership built on trust, performance and growth.
Let's bring more savings, cleaner oceans and greater success to your market.

GFX
MARINE


WHY ACT NOW?



GROWING MARKET

Fuel cost and emission regulations will only increase.



FIRST-MOVER ADVANTAGE

Be the preferred partner in your market.



STRONG PARTNERSHIP

We grow together, share success and build long-term value.



A BETTER FUTURE

More efficient shipping, cleaner oceans, sustainable world.

“

*The best time to plant a tree
was 20 years ago.*

*The second best time **is now.***

”

LET'S START TODAY.

HOW WE START OUR PARTNERSHIP



INITIAL CONTACT

Let us know your market and your interest.



MARKET DISCUSSION

We discuss opportunities, customer needs and market potential.



PARTNERSHIP PROPOSAL

We provide tailored proposal including terms, support and business plan.



AGREEMENT

We agree on cooperation terms and territory (if applicable).



ONBOARDING & TRAINING

Product training, marketing materials and technical support provided.



GROW & SUCCEED

We support your growth and celebrate success together.

NEXT STEP

LET'S TALK!

Reach out to our team to explore partnership opportunities.

*We are ready.
Are you?*



TRUST & RELIABILITY

We stand by our products and our partners.



PERFORMANCE DRIVEN

Proven results, real savings and measurable impact.



INNOVATION & QUALITY

Continuous improvement, tested and trusted solutions.



SUSTAINABILITY

Better performance today for a better future tomorrow.



BETTER PERFORMANCE. LOWER COST. CLEANER FUTURE.

GFX MARINE — YOUR SUCCESS IS OUR MISSION.

