



**A revolutionary fuel additive with potential to change
the fuel industry**

Problem with gasoline, diesel and bio-fuel

Deadly emissions: Contaminated air and toxic emissions from dirty fuel cause over 5 million people to die annually

Fuel has become more corrosive: Up to 70% more corrosive to the engine

Refineries need to differentiate fuel: fuel is currently a commodity that provides no extra value

Fuel is expensive: Fuel is a huge expense that everyone wants to minimize

Fuel additives are chemical heavy: Need to add to fuel in large quantities

Solution by FuelGems

FuelGems decreases emissions:

- Decreases unburnt hydrocarbons by 50%
- Decreases carbon monoxide by up to 15%
- Decreases CO2 by up to 8%
- Decreases particulate pollution

FuelGems increases lubrication:

- Increases engine life
- Increases fuel pump life

Highly affordable (2 cents extra per gallon): Refineries can differentiate fuel and create new fuel class

Saves fuel: Up to 8% (users ROI up to 1000%)

Tiny amount needed: 1-5 grams per 260 gallons (800x times less than competing additives)

Sales pipeline traction

Pilot stage



OMV

OIL&GAS **\$20+ billion revenue**

interest from BOARD OF DIRECTORS

Pilot stage



X5 Retail Group

RETAIL **\$25+ billion revenue**

interest from VENTURE DIVISION

Pilot stage



Ovostar Union

FARMING **\$100+ million revenue**

interest from BOARD OF DIRECTORS

Pre-pilot stage



BP

OIL&GAS **\$300+ billion revenue**

interest from CHIEF SCIENTIST

Pre-pilot stage



Marubeni

TRADING **\$60+ billion Revenue**

interest from CEO

Pre-pilot stage



PKN Orlen

OIL&GAS **\$30+ billion revenue**

interest from BOARD OF DIRECTORS

Pre-pilot stage



Suncor Energy

OIL&GAS **\$30+ billion Revenue**

interest from CEO

Pre-pilot stage



Severstal

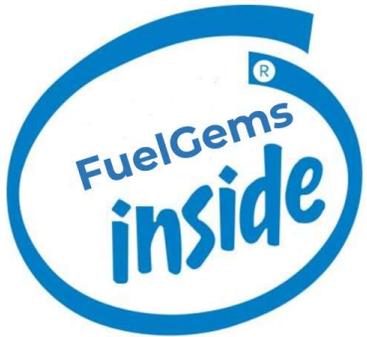
STEEL **\$6 billion revenue**

interest from INVESTMENTS DIVISION

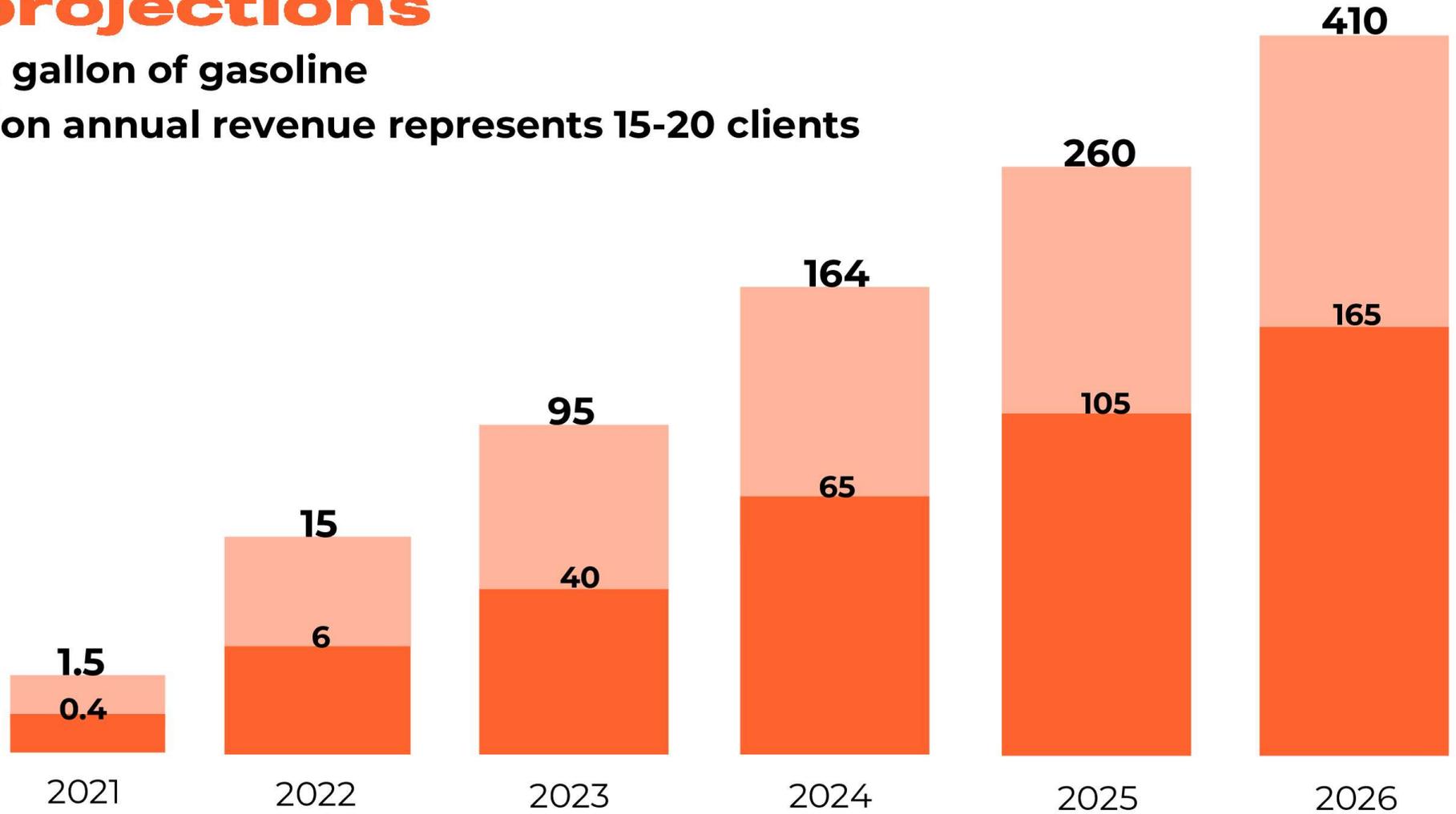
Financial projections

Only 2 cents to treat 1 gallon of gasoline

We believe \$400 million annual revenue represents 15-20 clients



REVENUE \$ (million)
EBITDA \$ (million)



EBITDA 2026 \$165 (million)

*These are forward-looking projections which CANNOT be guaranteed.



Proprietary and patented know-how

Unique and proprietary production method, unique nanoparticle and its stabilization

 **Production method:** unique knowhow in electricity usage to form and apply plasma to produce nanoparticles

 **Chemical compounds:** synthesis of unique spherical carbon nano-sized clusters

 **Stabilization:** nanoparticle is stabilized to disperse easily in fuel and avoid conglomeration for long life of nanoparticle in fuel

Top-tier IP law firm, **Knobbe Martens** filed the patents

Knobbe **Martens**

INTELLECTUAL PROPERTY LAW



FuelGems nanotechnology is thoroughly tested

Nanotechnology, atomic, molecular and chemical testing

- Atomic force microscopy
- Transmission electron microscopy
- Scanning electron microscopy
- Raman spectroscopy
- Infrared spectroscopy
- Oxidation testing
- X-ray fluorescence spectroscopy
- Qualitative chemical analysis
- Energy-dispersive X-ray spectroscopy

Tribology and friction

- Measurement of friction
- Liquid phase electron microscopy
- Differential-phase laser scanning profilometer
- Fuel pump, testing surfaces of various fuels

Internal combustion engine testing

- Internal combustion gasoline engine bench test
- Internal combustion diesel engine bench test
- Internal combustion engine gas analyzer tests
- Real-life testing over 1,000,000 miles driven in real cars



How FuelGems makes money

The cost of fuel additive is insignificant: 2 cents treats 1 gallon of gasoline

\$12 million Revenue for FuelGems: small gas station operator with 500 filling stations

\$27 million Revenue for FuelGems: one refinery

220,000 gas stations and 220 refineries in USA and Europe

Future growth

Retail:

- 🔥 small, medium, large gas station operators
- 🔥 bunker fuel

Refineries:

- cars
- trucks
- ships
- trains
- airplanes
- electricity production (Hawaii, Japan, Jamaica, Israel)



Petroleum market is **\$3.5 trillion**



Nanoparticles will be used in products that represent over **\$2 trillion** in the global economy

Team



Kirill Gichunts

CEO

Microsoft
EastOne (venture capital)
Semi-finalist Cleantech Open
KBC Securities
Raiffeisen/Lazard
Deloitte
Hilspen Capital Management
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Dr. Tim Rose, advisor, automotive engineering,
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Fundraising and milestones

- Expand production capability
- Grow customer base
- Secure further patents
- Launch a PR campaign
- Build sales and marketing to support revenue growth
- Complete additional testing
- Gain EPA (USA) and REACH (Europe) certifications

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