



# DOR MOTORS

Proven solution to replace  
polluting Diesel with competitive  
technology

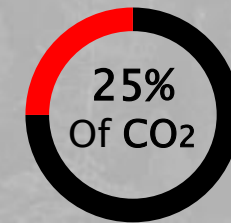
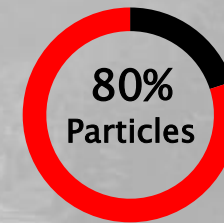
THE FUTURE IS HERE WITH DOR-Mix





# THE WORLD CAN'T AFFORD DIESEL ANYMORE

- ✓ Heavy Duty Vehicles continue to operate on Diesel fuel
- ✓ Diesel vehicles accounts for



- ✓ from transportation
- ✓ Higher investments of other alternatives (Electricity, CNG, H2) new fueling infrastructure



- ✓ **DOR-MOTORS** offers real alternative to diesel utilizing Methanol as a liquid fuel
- ✓ Proven Internal Combustion Engine Technology combined with novel Methanol-based fuel blend - “**DOR-Mix**”
- ✓ **DOR MOTORS** offers solutions for a range of Applications:



Practical. Proven. **Ready.**



# DOR-Mix Advantages

- ✓ 90% reduction of pollutants
- ✓ 15% reduction in CO<sub>2</sub> emissions
- ✓ Competitive Total Cost of Ownership (TCO)
- ✓ Liquid fuel using existing infrastructure
- ✓ Renewable Fuel
- ✓ Proven technology in a range of applications

Synthetic  
Fuel



Liquid  
Fuel



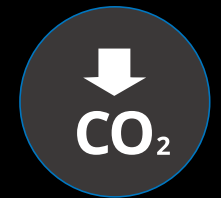
Competitive  
Price



Ultra Low  
Emissions



Renewable  
Fuel



High  
Efficiency

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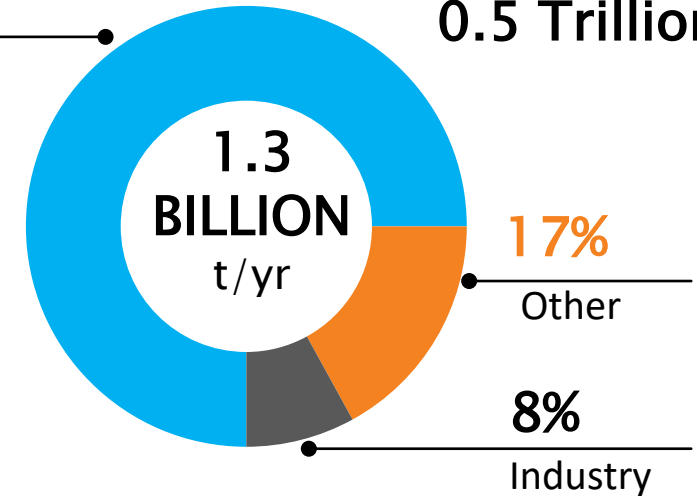
# MARKET POTENTIAL for diesel alternatives

## Global Diesel Fuel consumption

75%

On-road transport  
~1 billion t/yr

0.5 Trillion \$



## Global Truck Market

### 2020 Sales

3.3 Million Medium/Heavy trucks

11.7 Million pickups (LCV)



### Fuel types

Diesel 97.9%

NG/LPG 1.7%

EV 0.2%

hybrid 0.1%

## Global Genset market

### Market Value

2020 19 Billion \$

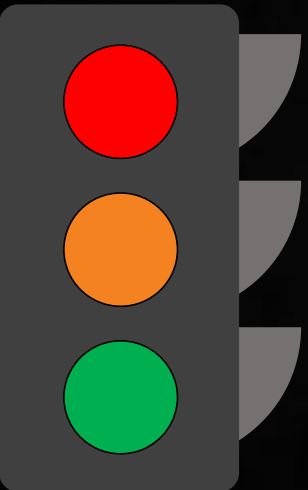
2025 25 Billion \$

















75-375kVa





# Alternative Energy Solutions



	DOR-Mix	DIESEL	ELECTRICITY	NATURAL GAS
<b>SOURCE</b>	 Fossil / Renewable	 Fossil	 Fossil / Renewable	 Fossil
<b>Cost of STORAGE</b>	 Low	 Low	 High	 Medium (Pressurized)
<b>Cost of LOGISTICS</b>	 Low Using Existing Infrastructure	 Low Using Existing Infrastructure	 High New & Expensive Infrastructure	 High New Infrastructure
<b>EMISSIONS</b>	 Low	 High Expensive to reduce	 High Low Depends on source	 Low

**DOR-Mix – The Most Attractive ‘Well to Wheel’ (W2W) fuel**

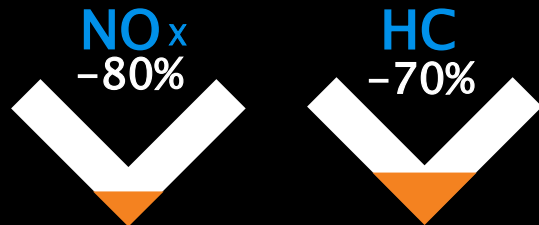
THE FUTURE IS HERE WITH DOR-Mix



# Methanol based Commercial Transportation

## Internal Combustion Engine Operates on 'DOR-Mix'

- ✓ Fueling DOR-Mix at existing fuel stations
- ✓ No need for active after treatment systems (SCR or DPF)
- ✓ Emission reduction compare to diesel



THE FUTURE IS HERE WITH DOR-Mix





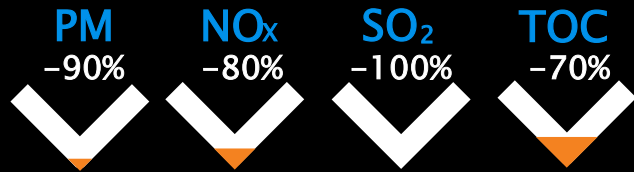
# M-100 GENSET TECHNOLOGY For Local Power Generation

Internal Combustion Engine

## Operates on 'DOR-Mix'

Specially designed for populated areas

- ✓ Ultra silent
- ✓ Easy maintenance
- ✓ Lower Total Cost of Ownership (TCO)
- ✓ Emission reduction compare to diesel:



THE FUTURE IS HERE WITH METHANOL



## The Future is Here with DOR-Mix





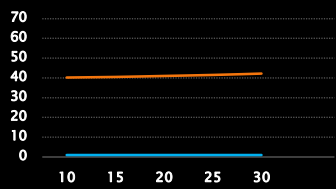
# ELECTRICITY GENERATION

## Powering up with Methanol

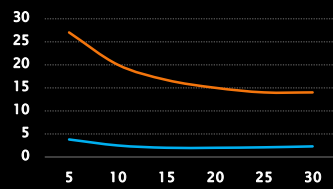
### Gas Turbines to Operate on M100

Conversion technology Developed by DOR & Israel Electric Company (IEC)

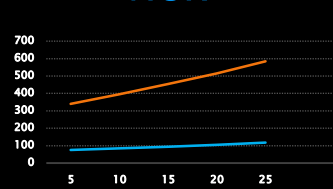
- ✓ 50 MW P&W gas turbine from diesel to 100% methanol firing
- ✓ In operation since 2014 with significant lower emissions



-100%

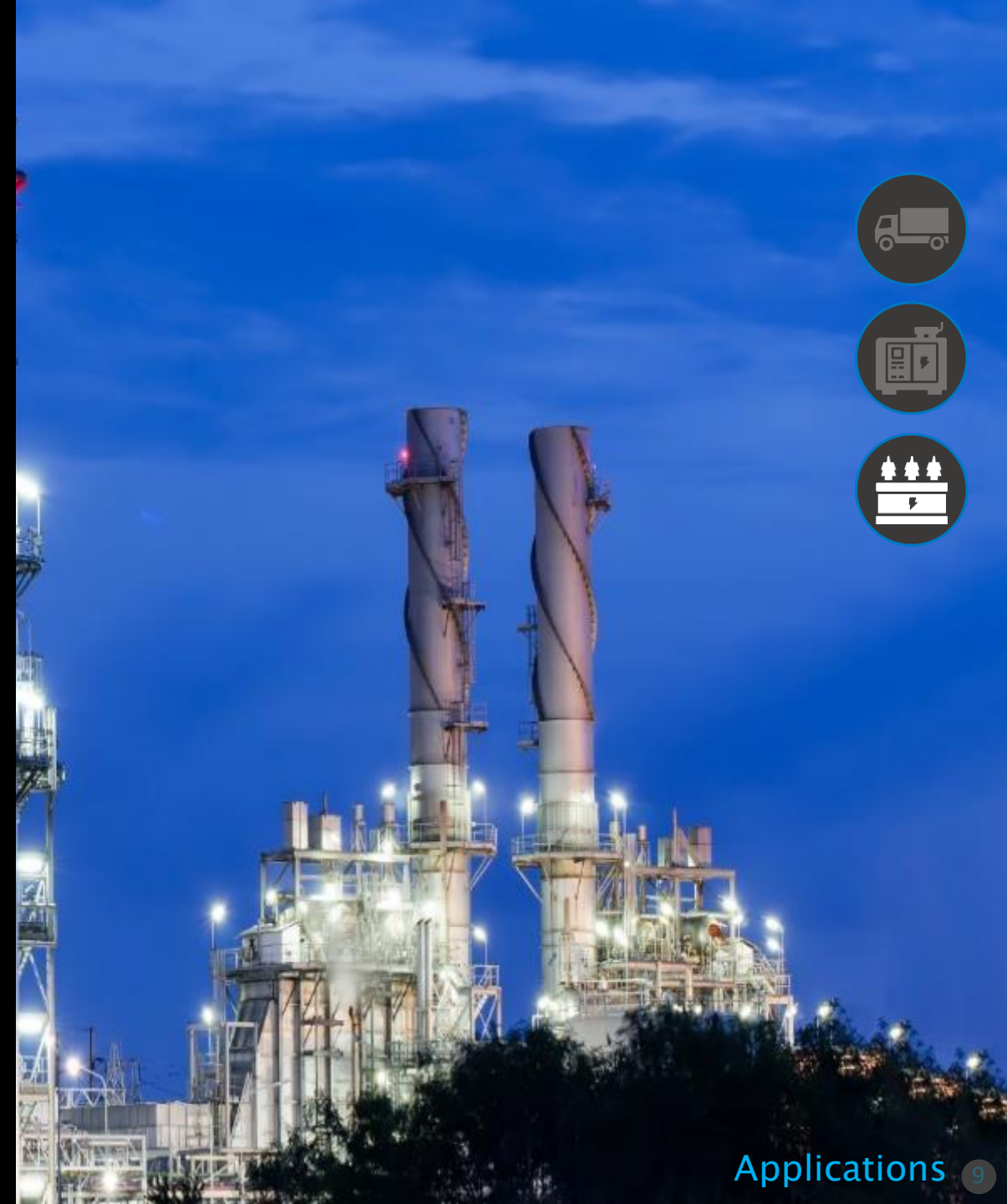


-90%



-80%

THE FUTURE IS HERE WITH METHANOL





DOR MOTORS is developing  
**DOR-Mix**

Novel Methanol Blends & Additives

- ^ Better Performance
- ^ Higher Efficiencies
- ✓ Ultra-Low emissions
- ✓ Lower CO<sub>2</sub> emissions

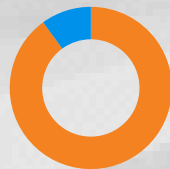
**LOCAL AIR EMISSIONS with**

Diesel Baseline



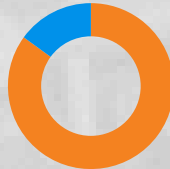
**PM**

-90%



**NO<sub>x</sub>**

-85%



**HC**

-70%



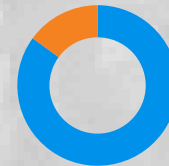
**GHG EMISSIONS**

Diesel Baseline



**CO<sub>2</sub>**

-15%



**DOR-Mix | A Better Blend to improve Air quality**

THE FUTURE IS HERE WITH METHANOL  
THE FUTURE IS HERE WITH DOR-Mix



# DOR MOTORS ENGINE TECHNOLOGY

**CLEAN & EFFICIENT  
METHANOL-BASED FUELS**

“DOR-Mix”  
Methanol-based fuel blend

**HEAVY DUTY  
APPLICATIONS**

Internal Combustion Engines  
Gas Turbines

- ^ Ultra-low emissions
- ^ Higher Efficiencies 15% reduction in CO<sub>2</sub>
- ^ Lower cost of ownership (TCO)
- ^ Liquid fuel using existing infrastructure
- ^ Renewable source of Fuel



THE FUTURE IS HERE WITH DOR-Mix



# DON'T GO AFTER PIPE DREAMS

THE FUTURE IS HERE WITH DOR-Mix  
Practical. Proven. **Ready.**

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