

# Saving your fuel and long life to people around

#### Andrii Ruban

http://energy-saving-technology.com



MINISTRY OF ECONOMIC DEVELOPMENT AND TRADE OF UKRAINE











# **INTERNAL PROBLEMS of GREAT COUMTRY**





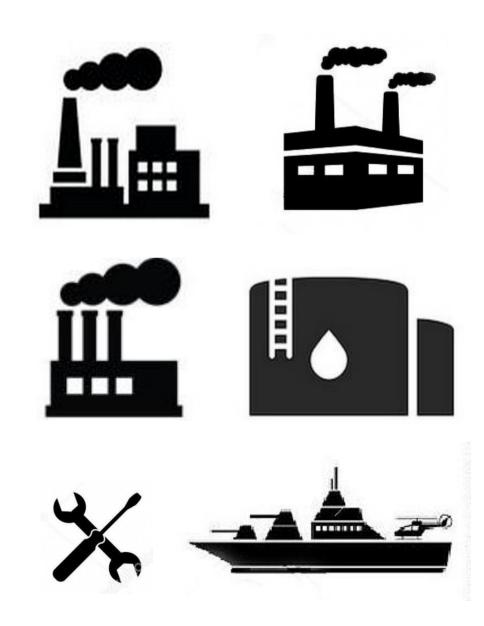




OF ECONOMIC DEVELOPMEN



#### **ENERGY SUPPLY & SERVICES FOR REMOTE AREAS**

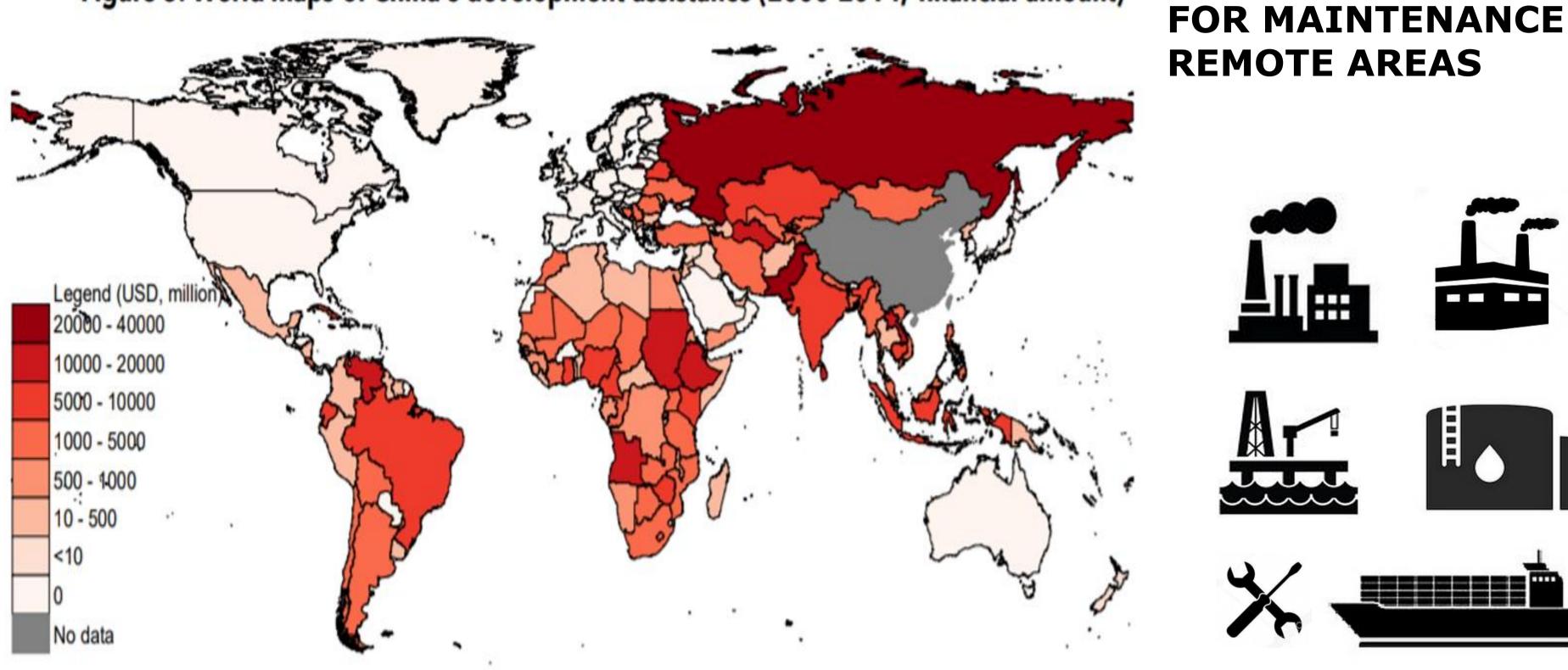






# **EXTERNAL PROBLEMS of GREAT COUMTRY**

#### Figure 5: World maps of China's development assistance (2000-2014, financial amount)





OF ECONOMIC DEVELOPMEN









**REDUCTION COSTS** 

# WHO WE ARE

# **11 YEARS ON THE MARKET**

# 158 SUCCESSFUL PROJECTS

# **140 HAPPY CUSTOMERS +**

Trade with

# **12 COUNTRIES**









# **OUR COSTOMERS**

# INDUSTRIAL BOILERS & FURMACES

# **OIL TERMINALS & PORTS**

# **POWER PLANTS & REFINERES**

# POWER SHIPS & ALL HFO USERS













#### 09/05/2012

# WHAT WE CAN

# **FUEL SAVING 2.4%-4.1%**

# EMISSION REDUCTIONCO, NOx, SOx5-40%

# OPERATING COSTS REDUCTION UP TO 25%

# SHORT PAYBACK TIME UNDER 6 MONTHS















09/05/2012 20:07

# HOW IT WORKS ?

standard black oil M-100 increase of 150 times diameter of the hair 90 microns www.afuelsystems.com black oil M-100 after homogenization with TRGA increase of 150 times diameter of the hair 90 microns www.afuelsystems.com

IINISTRY

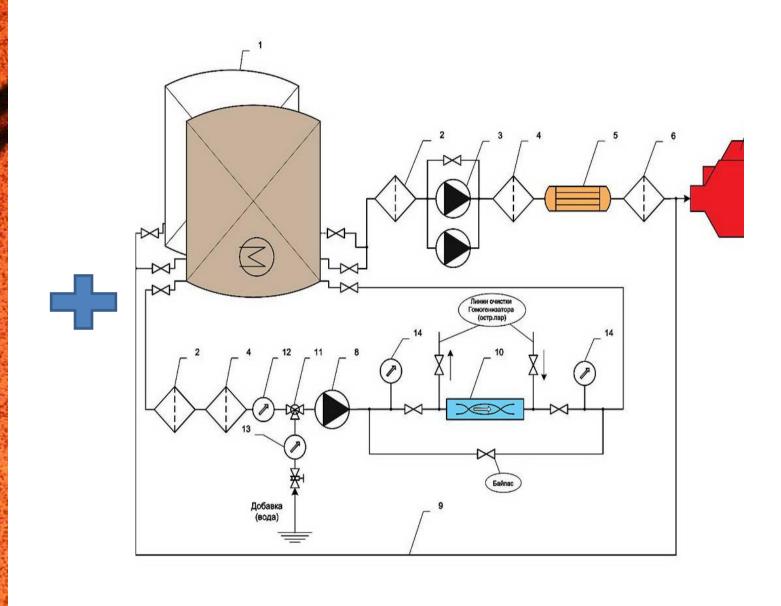
OF ECONOMIC DEVELOPMENT

# **CHANGE FUEL PROPERTIES + PROVEN SCHEMES + OUR EXPERIENCE**





Ukraine NOW

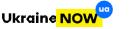


# WE IMPRUVE FUEL'S PROPERTIES

# LESS VISKOSITY (-10-15%)

# LESS POR POINT (-2-16 Cel deg)

### LESS AMOUNT & SIZE OF MECHANICAL IMPURITIES (-30%) AMOUNT of COKE RESIDUE (- 20-30%)



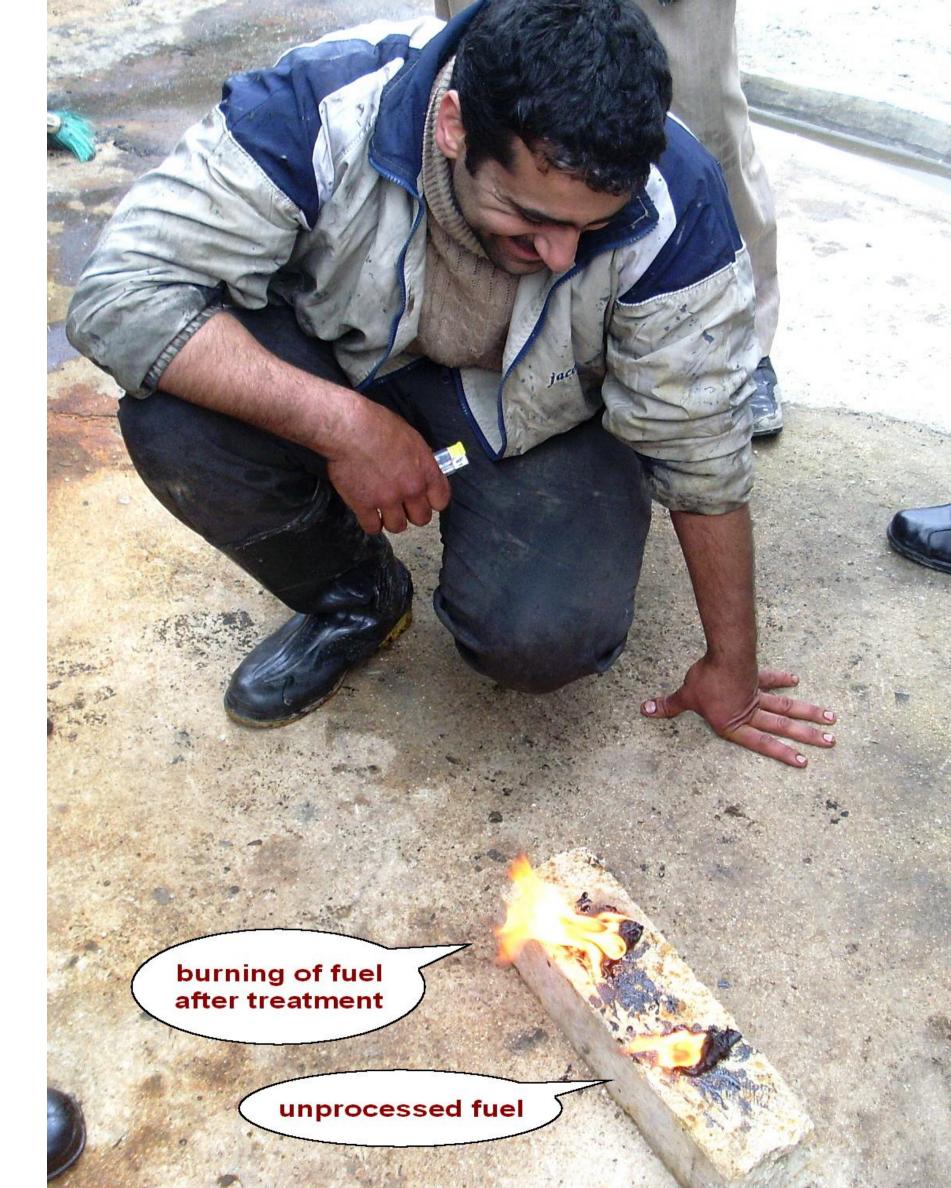












### **RUSAL, GUINEA** (aluminum plant) 2010 – 2012



# 2 DEVICES FOR BOILERS

FUEL SAVING - 4.1%

# **LESS SMOKE EMISSION – 80%**

#### NEW CONTRACT with RUSAL FACTORY IN JAMAICA . 2013 – TILL NOW 4 DEVICES

















# INSIDE THE BOILER RUSAL



# **BEFORE & AFTER INSTALLING OUR EQUIPMENT**





















# **EXIMNEFTEPRODUKT UKRAINE** (oil terminal) 2013 – TILL NOW





#### **FUEL SAVING -4-6%, TWICE TIME BETWEEN CLEANING BOILER**

#### **SMOKE/STINK EMISSION REDUCTION – 99%**

**TRANSFORM / DISPOSAL** of WATERED OIL SLUDGE **INTO BOILER FUEL.** 















# **STOYLENSKY MINING PLANT RUSSIA** 2012 – TILL NOW





FUEL SAVING - 3.5%

# USING OLD, WATERED, SUBSTANDART HFO as FUEL

**SLUDGE DISPOSAL** 







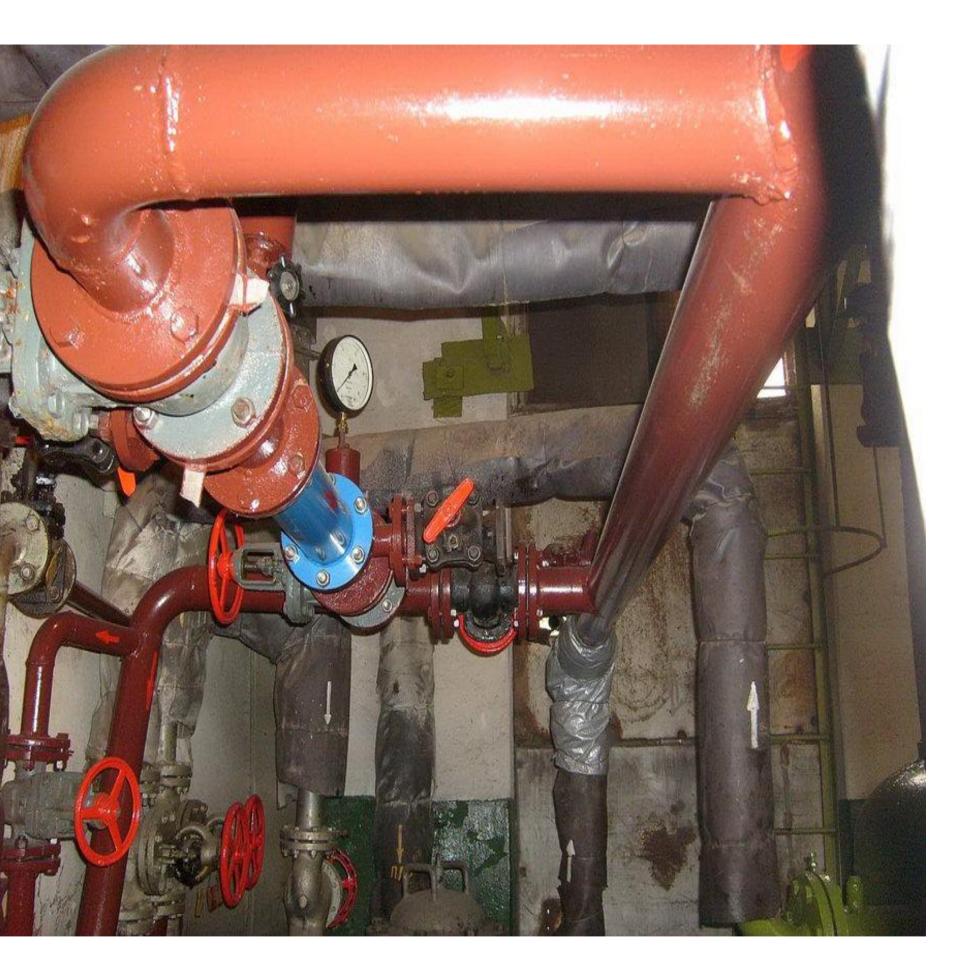
















# 2 DEVICES FOR BOILERS

### USING MIX DF+HFO, INSTEAD DIESEL FUEL

### **SMOKE EMISSION REDUCTION – 99%**

**NEW CONTRACT October 2018** 





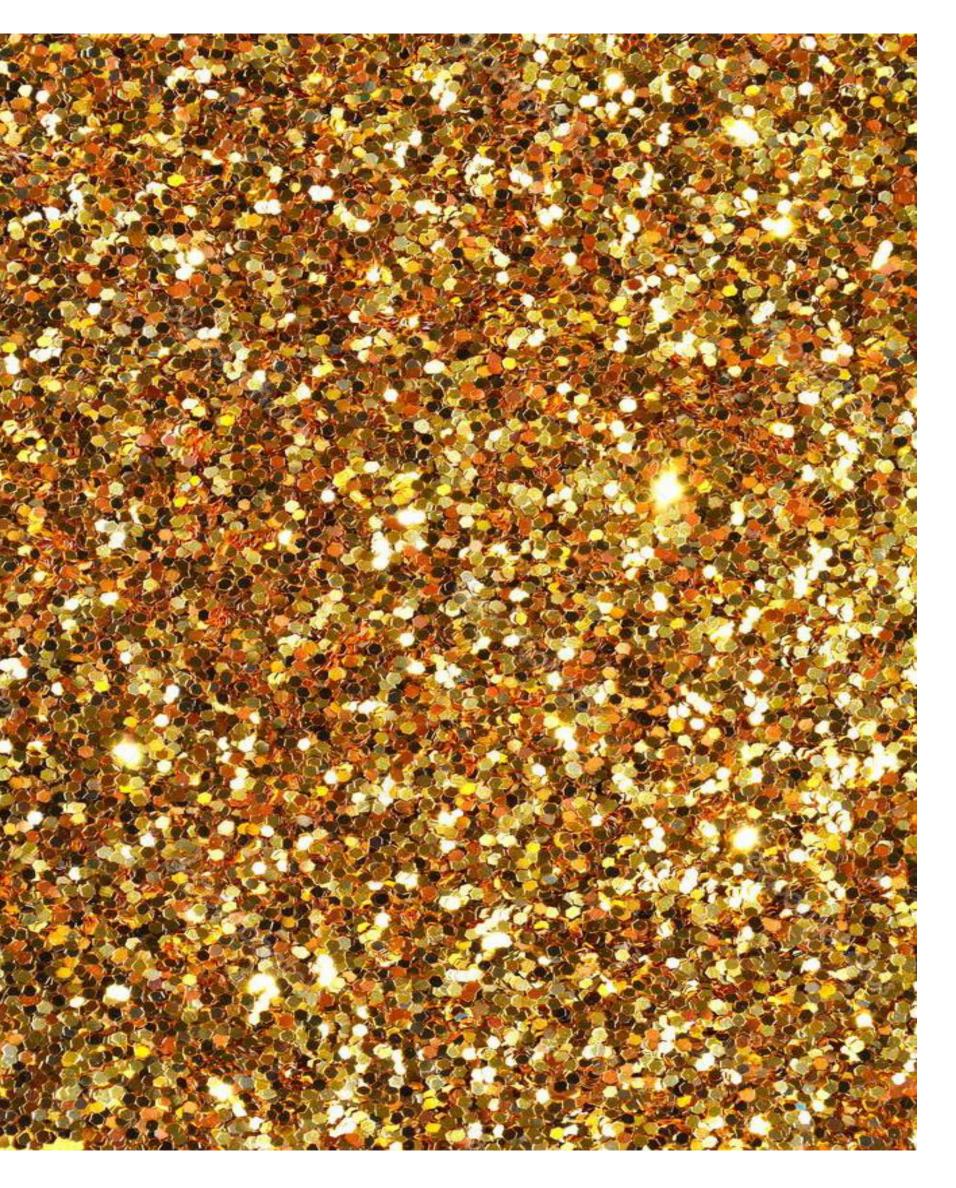












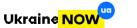
# PHILIPPINES 2015 – TILL NOW

### **1 DEVICES FOR PRODUCTION BOILER FUEL USING SLUDGE**

# **NO SMOKE, NO CORROSION**

### **MORE CHEAPER & CALORIE FUEL**

#### **NEW CONTRACT October 2018 NEW FUEL PROGRAM**

















# Our technology works for mobile objects.



### **FOR SHIPs**

**FOR POWER SHIPs** 

# FOR DIESEL POWER PLANTS

# FOR OIL PLATFORMS

















# **TRANSEUROPA FERRIES, SLOVENIA** 2011 - 2013



**FUEL SAVING - 4%** 

# **EMISSION REDUCTION 10%**

#### NO FUEL LOSSES, **NO SLUDGE FORMATION DURING SEPARATION**











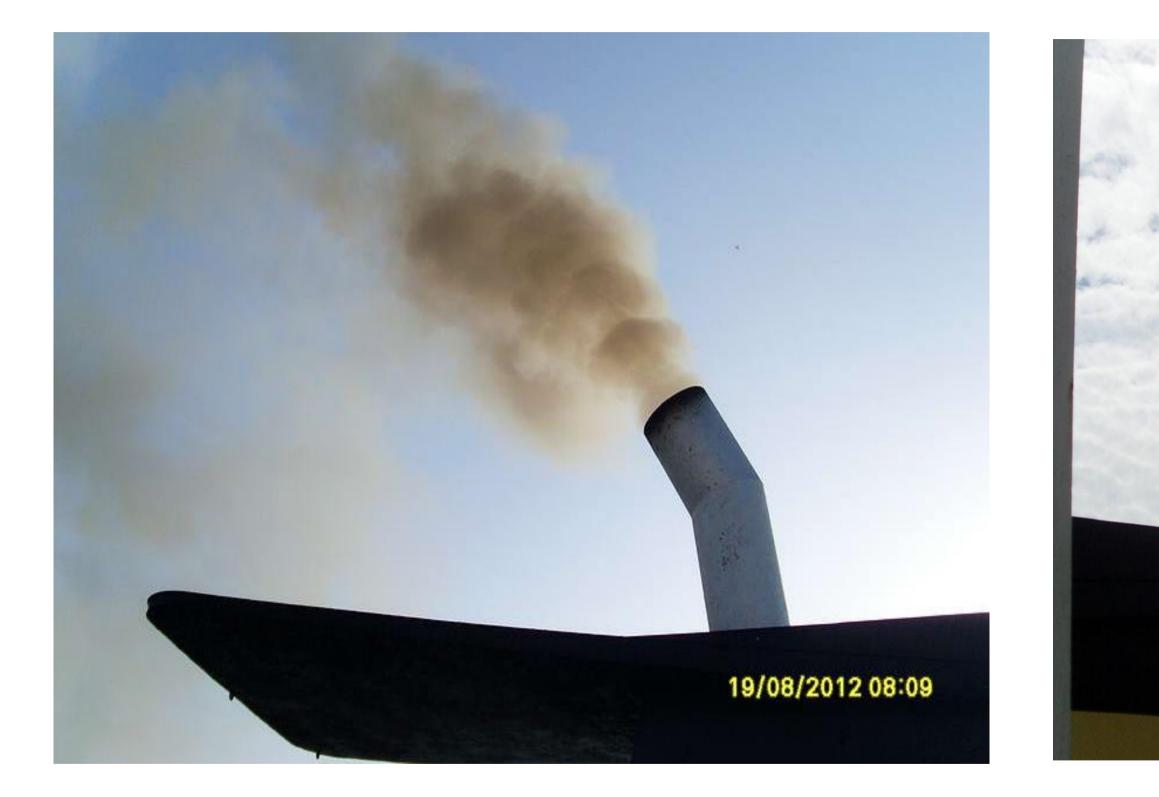








# **SMOKE REDUCTION**



#### + FUEL ECONOMY + LONGER ENGINE & SEPARATOR LIFE, NO ENGINE OVERHEATING









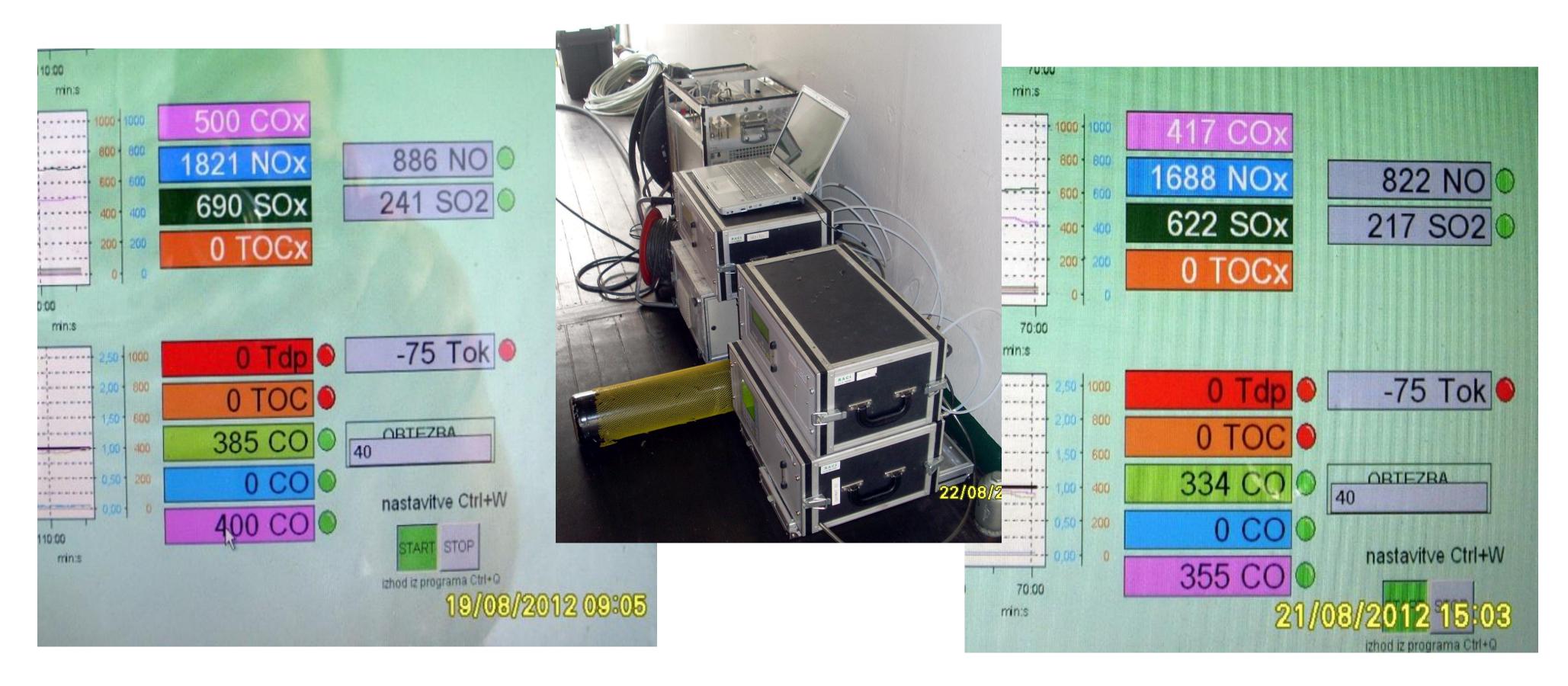








# **EMISSION REDUCTION CONFIRMED by SIEMENS**















# **NORTH COMES CLOSER**





MINISTRY OF ECONOMIC DEVELOPMENT AND TRADE OF UKRAINE











# **KRUZENSHTERN** 2017 – TILL NOW



#### REDUCING POUR POINT OF DIESEL FUEL: 10-15 DEG. CEL

















# UKRSPIRT – UKRAINE 2017– TILL NOW





#### REDUCED VISCOSITY OF MOLASSES RAW MATERIALS FOR THE PRODUCTION OF ALCOHOL: 35%













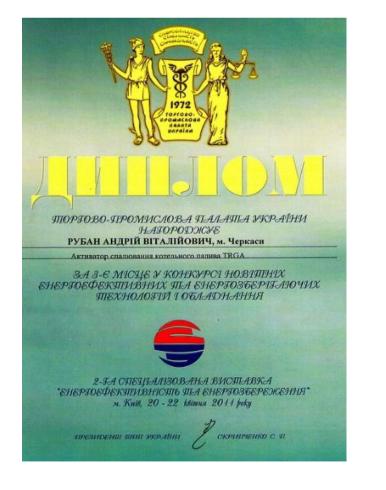






# CERTIFICATE





Notranja proizvodna preverjanja z nadzorom končne presoje skladna s členom 3.2 in Prilogo I (Modul A1) po Direktivi 97/23/ES Internal manufacturing checks with manitaring of the final assessment in according to article 3.2 and Anex I, (Module A1) according to Direktive 97/23/EC

St. certifikata : IZV-PED-A1-06-810-11-01

Proizvajalec

dnega obrata : BIMONT d.o.o., Senčna ulica 19, SI-6310 Izola, Nasiov proizv Tlačni cevovod TRGA-3G tip: -03, -04, -05, -08, -10, -15, -20, -50 Št. načrta Drawing No. TRGA-3G - 03,04,05; TRGA-3G - 08,10; TRGA-3G - 15 TRGA-3G - 20; TRGA-3G - 50 g 0 Poročilo št.: Test report No. P1277-A1-06-810-1101 2 Odobritev velja pod pogojem, da se izvajajo nadzorne presoje, preskusi in verifika s strani instituta za variistvo d.o.o., glede na zahteve določene v medsebojni pogo The approval is valid previde that surveilance audit, esta soli verifications are pedrovati. Q Ð tifi kar IWI-C Ljubljana, 20.06.2011 o opremo \$1. 2042 lotfied Body. No,2042 SC 0 INSTITUT ZA VARILSTVO mint za varilstvo d c.o., Ptorka slica 19, SI-1000 Ljubijana -- 186 1 289 94 00, faz. +386 1 280 94 22, www.i-var al n

OFFICE







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	Nazivni tlak Nominal Pressure	NP 12 NP 12			
PROIZVODAĆI MANUFACTURER-					
	IMONT d.o.o. esta Zore Perello-Godina	2, 6000 KO	PER - SI	OVENIA	
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Mjesto I datum:	Spiit, 2014-03-25		(Brail)		Marinko Popović, dipl

HRVATSKI REGISTAR BRODOVA

POTVRDA O TIPNOM ODOBRENJU

Croation Register of Shipping



#### CERTIFIKAT

Institut za varilstvo d.o.o. kot priglašen organ potrjuje ustreznost postopkov izvedenih s strani proizvajalca tlačnega sklopa, v obsegu določil priloge III, modul A1 in člena 3.2 direktive o tlačni opremi 97/23/ES. Proizvajalcu je odobreno označevanje tlačne opreme z našo identifikacijsko števiko 2042, v otviru področja veljavnosti. Institut za varilstvo, d.o.o. as a notified body confirms herewith the adeguacy of the procedures carried out by the manufacture of pressure equipment within the provisions of Annex III, ModuleA1 and article 3.2 Pressure Equipment Directive 97/23/EC. The manufacturer is authorized to provide his pressure equipment within the scope of the examination with our indentification number 2042.

BIMONT d.o.o., Senčna ulica 19, SI-6310 Izola,







# Andrii Ruban



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