

Ukraine NOW ^{ua}

Saving your fuel
and long life to people
around



**Save
with
Ukraine**

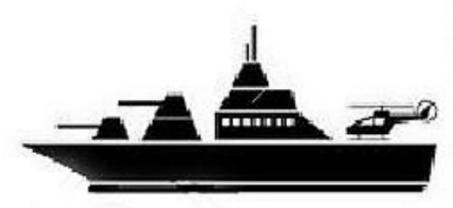
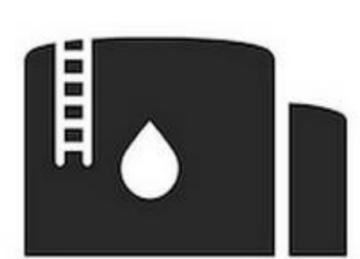
Andrii Ruban

<http://energy-saving-technology.com>

INTERNAL PROBLEMS of GREAT COUNTRY

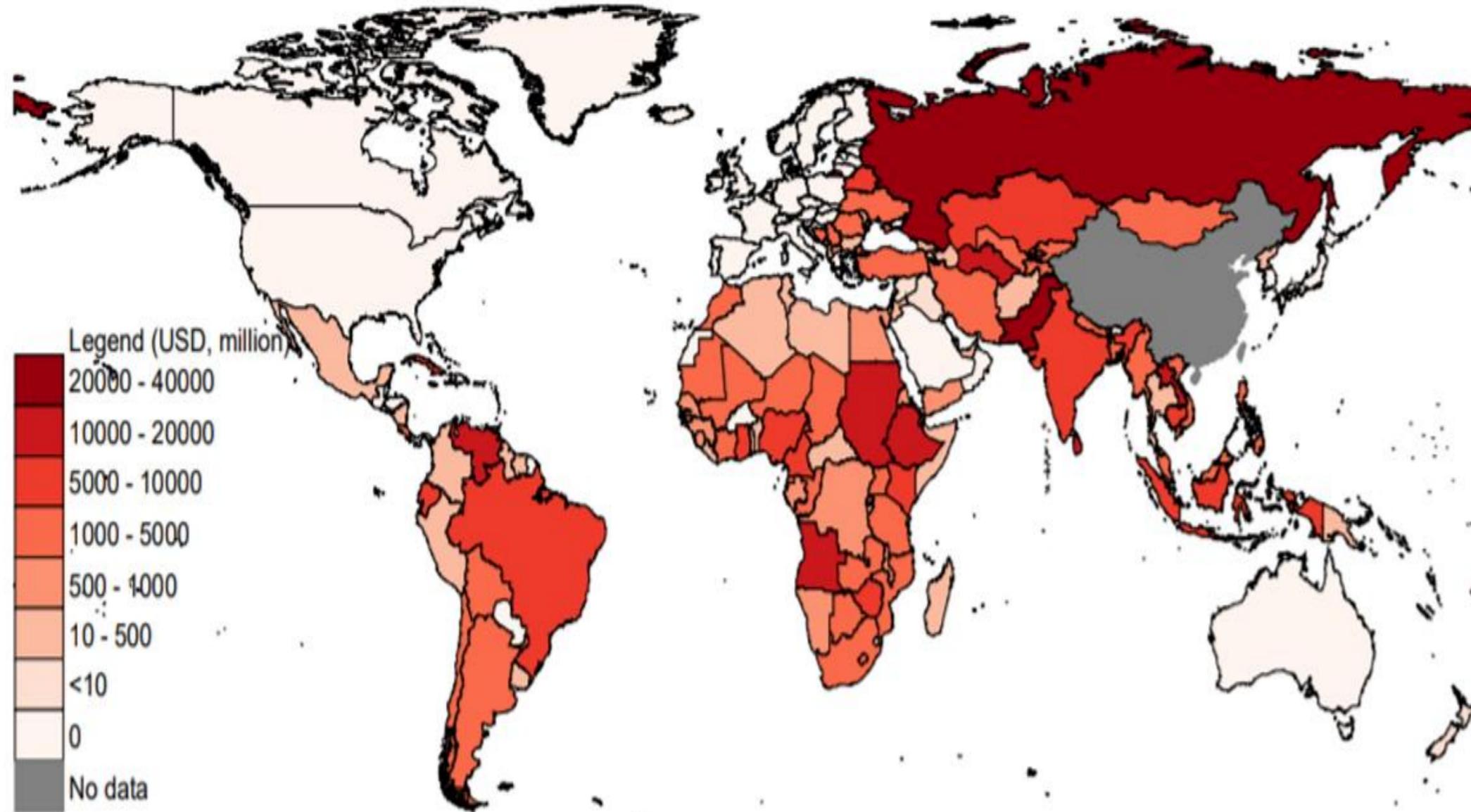


ENERGY SUPPLY & SERVICES FOR REMOTE AREAS

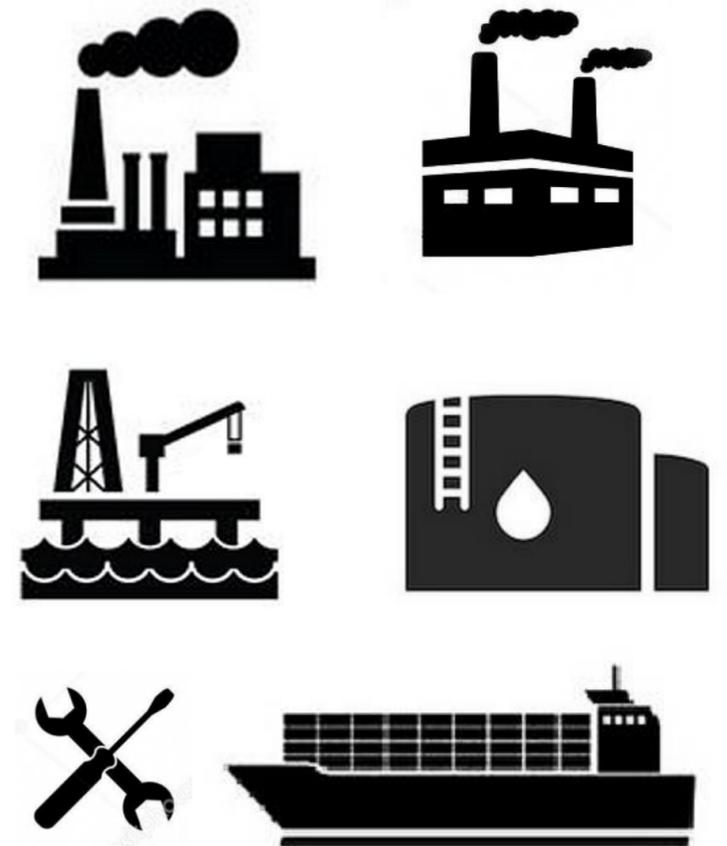


EXTERNAL PROBLEMS of GREAT COUNTRY

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



REDUCTION COSTS FOR MAINTENANCE REMOTE AREAS



WHO WE ARE

- **11 YEARS ON THE MARKET**
- **158 SUCCESSFUL PROJECTS**
- **140 HAPPY CUSTOMERS +**
- **12 COUNTRIES**



OUR CUSTOMERS

-  **INDUSTRIAL BOILERS & FURNACES**
-  **OIL TERMINALS & PORTS**
-  **POWER PLANTS & REFINERES**
-  **POWER SHIPS & ALL HFO USERS**

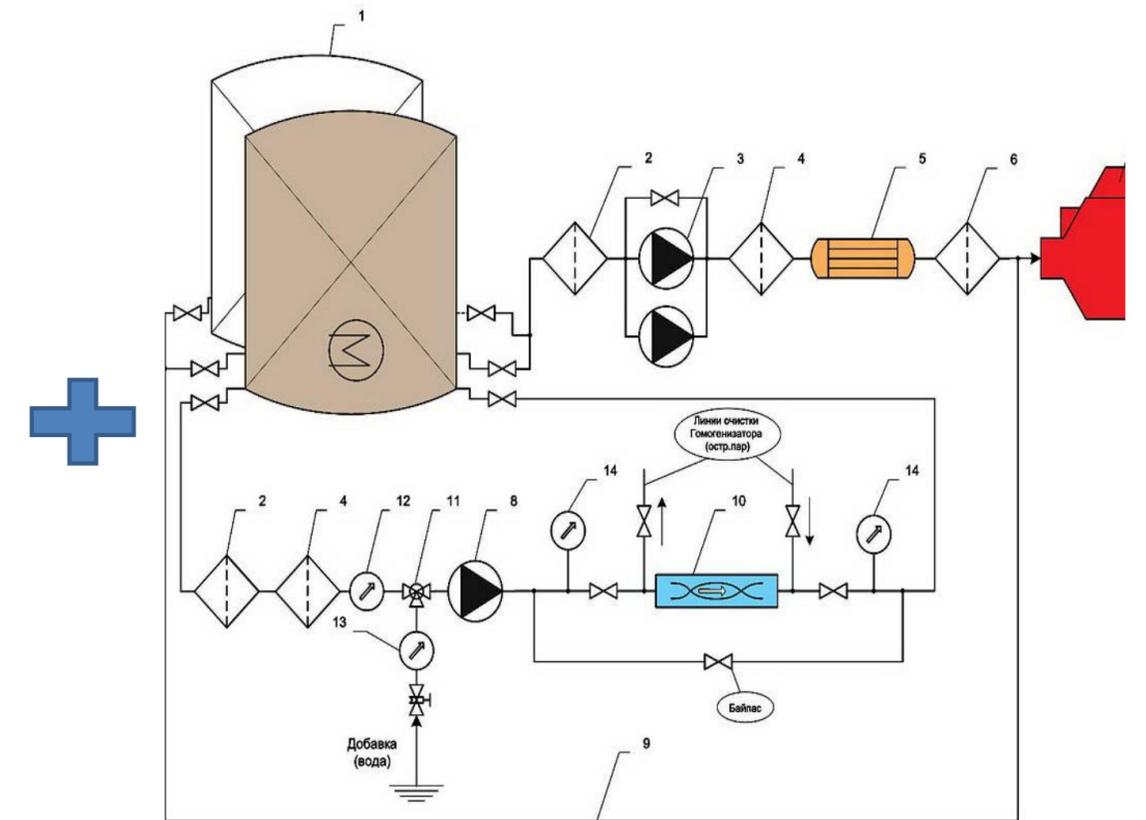
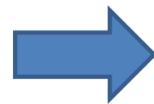


WHAT WE CAN

- **FUEL SAVING 2.4%-4.1%**
- **EMISSION REDUCTION
CO, NOx, SOx 5-40%**
- **OPERATING COSTS
REDUCTION UP TO 25%**
- **SHORT PAYBACK TIME
UNDER 6 MONTHS**



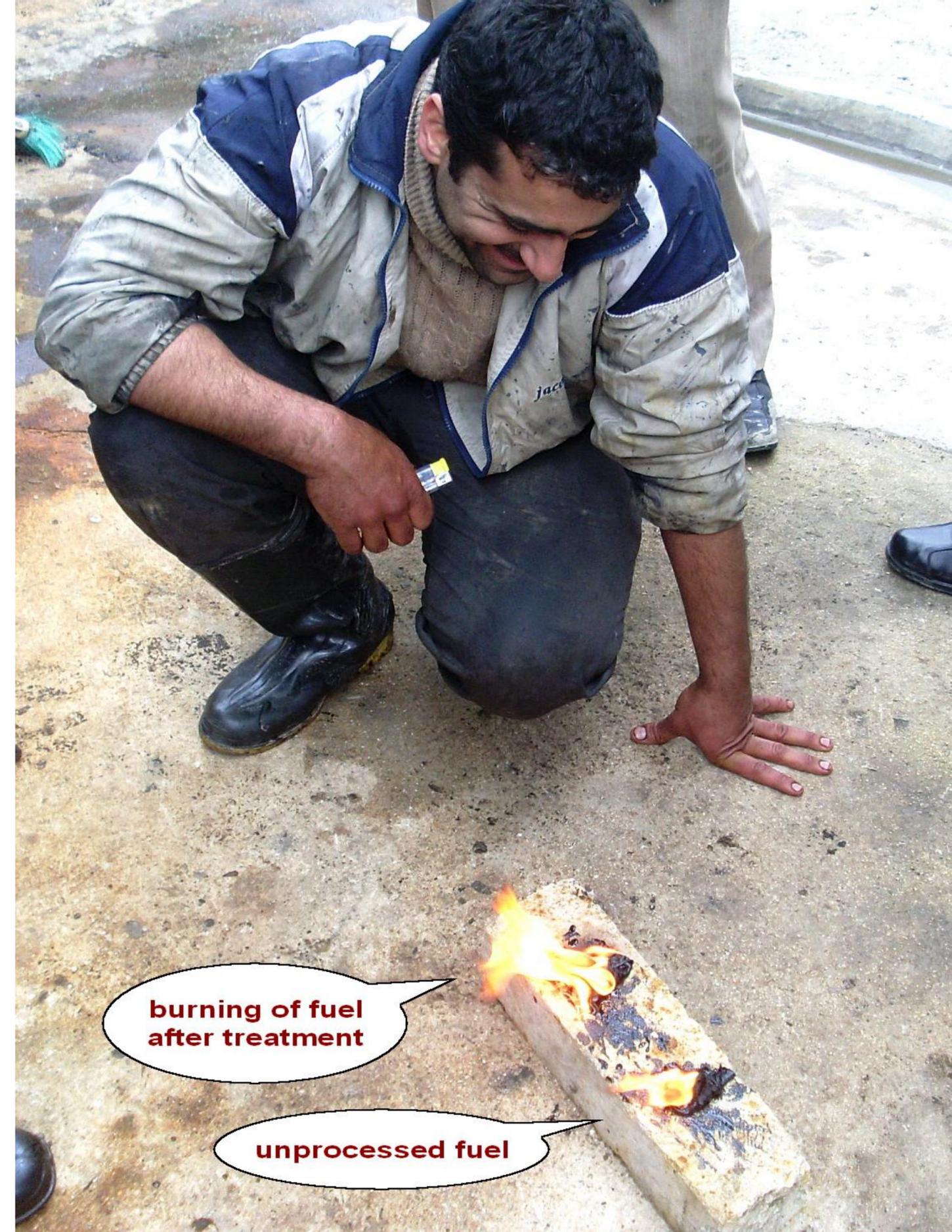
HOW IT WORKS ?



CHANGE FUEL PROPERTIES + PROVEN SCHEMES + OUR EXPERIENCE

WE IMPRUE 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%)**



burning of fuel
after treatment

unprocessed fuel

RUSAL, GUINEA

(aluminum plant)

2010 – 2012

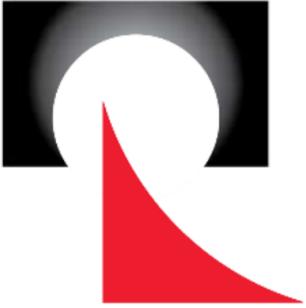


RUSAL

- **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



- **3 DEVICES FOR BOILERS**
- **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



- **1 DEVICES FOR BOILER**
- **FUEL SAVING – 3.5%**
- **USING OLD, WATERED,
SUBSTANDART HFO as FUEL**
- **SLUDGE DISPOSAL**



Highland Gold Mining

2017 – TILL NOW



- **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

- **2 DEVICES FOR THE SHIP**
- **FUEL SAVING - 4%**
- **EMISSION REDUCTION 10%**
- **NO FUEL LOSSES,
NO SLUDGE FORMATION
DURING SEPARATION**



TRANSEUROPA FERRIES

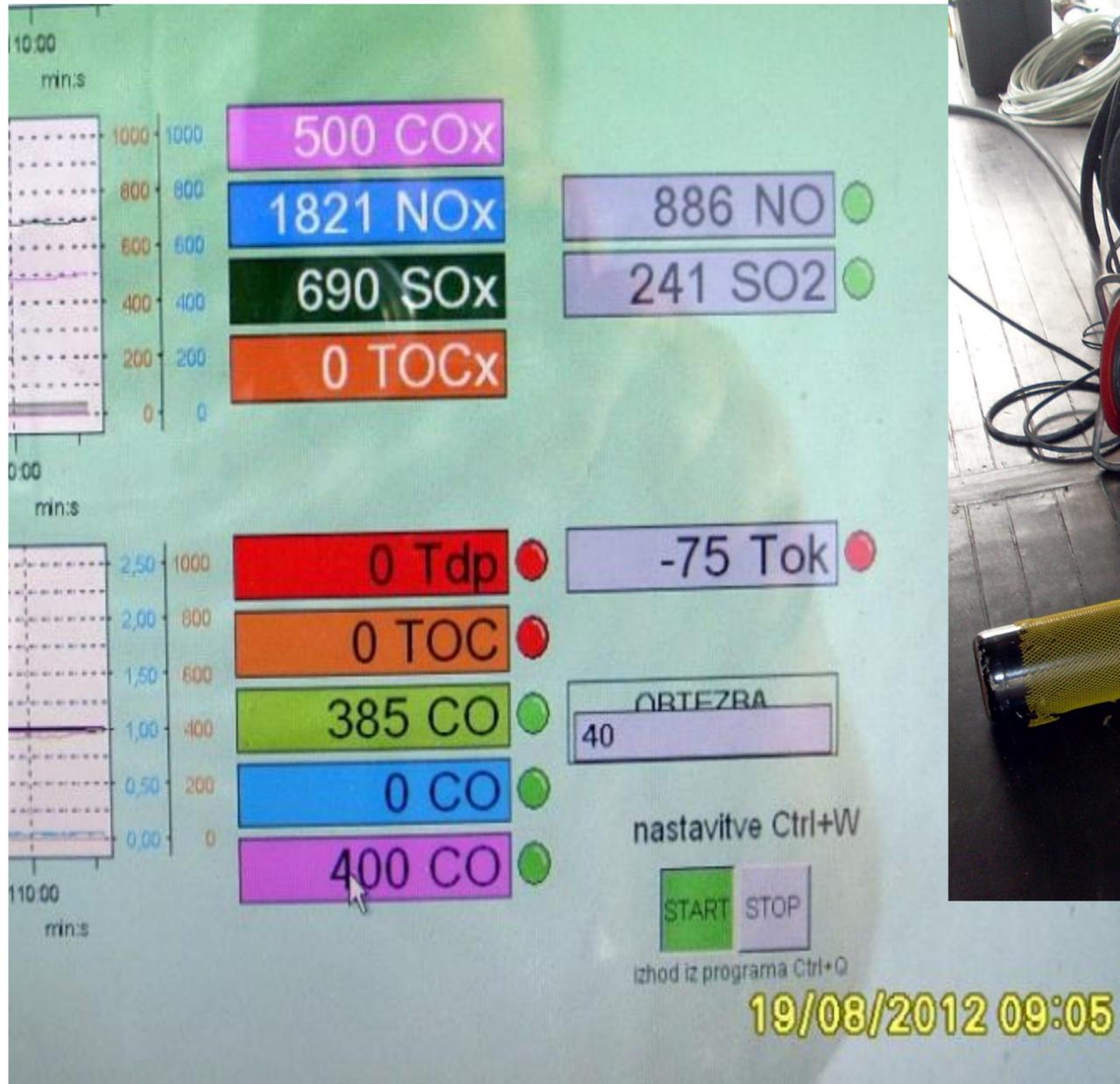


SMOKE REDUCTION



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

EMISSION REDUCTION CONFIRMED by SIEMENS



NORTH COMES CLOSER



KRUZENSHTERN

2017 – TILL NOW



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



UKRSPIRT – UKRAINE

2017– TILL NOW

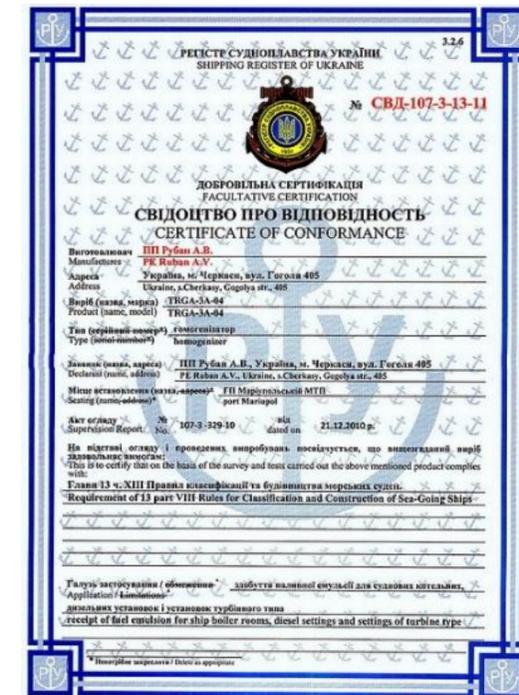
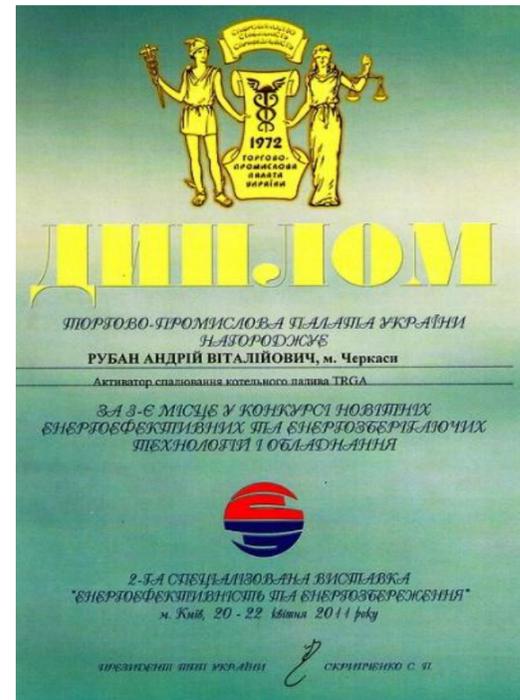


**REDUCED VISCOSITY OF
MOLASSES RAW MATERIALS
FOR THE PRODUCTION OF ALCOHOL: 35%**





CERTIFICATES



Ukraine NOW ^{ua}

Andrii Ruban



andrruban



+38 050 518 38 98



5183898@ukr.net

