

Dear Sirs,

1. Theme.

Please pay Your attention to the developed and proven methods for saving liquid heavy fuel for industrial boilers, furnaces and internal combustion engines of high power (ships and industrial generators), as well as for utilization of oil sludge and bilge water, production of mixed fuel and other applications for oil and gas and food industry.

2. Presentation.

I've been working on this topic since 2002, and since 2007 I've been producing my own equipment that can be installed and used on any industrial boilers, furnaces and ship engines, different designs, different manufacturers and in different countries. It does not need to change the design of boilers and other equipment.

On May 2018, I have 157 successfully implemented projects in various countries of the world, several Ukrainian, Russian and international certificates, good experience in various fields related with improving fuel, natural oil, the creation of various liquid mixtures, solutions or suspensions. And also with the improvement of the quality of finished products (industrial oils, mixtures, suspensions). My equipment has a payback period of 4-7 months, works long, reliably, min. 3-4 years and requires minimal maintenance by the user's own personnel.

The open information is laid out on three sites:

www.afuelsystems.com - the **most complete site**, with descriptions, reviews, news feeds since 2008, and with lots of examples (full version in Russian)

www.energy-saving-technology.com - a **very short site** with the most compressed material and only commercial technologies. (Rus. and Engl.)

www.linkedin.com/in/andrew-ruban-38b3a76/detail/recent-activity/posts/ - here you can find the most interesting articles and suggestions in an easy and accessible form with pictures and short explanations.

My general presentation [here](#)

channel at www.youtube.com/user/andrewrubanut

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3. What am I looking for ? Here is my business philosophy -

www.energy-saving-technology.com/en/bus-phil-en.html

I have done a lot and I can give many potential partners. My experience tells me two forms of cooperation - an agency agreement or partnership to promote these technologies in the world or in China. Since I have some experience of such cooperations, my view on cooperation is set forth here: www.energy-saving-technology.com/en/new-partner.html

4. What can I give my partner or offer for the market?

	Nomination.	The level of economy. Payback time.	Presentations. Offers.
1	Technology to improve the process of burning heavy fuel oil in industrial boilers and furnaces. Fuel economy, Reduction of harmful emissions and operating costs.	3-4% of HFO 4-6 months	Test. Presentation. Offer. For small boiler. Article 1.
2	Proposal for boilers manufacturers - how to expand the range of used fuel. (the possibility of burning low-quality fuel)	Additional competitive advantage.	Presentation. Article 1. Article 2.
3	A comprehensive offer for distilleries - improving the quality of the two main components of fuel and raw materials.	Reduce unit costs per ton of 4-5%	Link , another in the negotiation process.
4	Technology for the utilization of liquid oil sludge on transit tanks and seaports, by the transformation of oil sludge into fuel and direct safe combustion.	Equivalent to the fuel economy of the serving boiler at 8%	Presentation. Some photos. Offer.
5	Proposal for energy barges , to reduce unit costs for electricity generation and improve equipment reliability.	4-5% of HFO 4-6 months	Article 1 , Article 2 , another in the negotiation process.
6	Technology for improving the quality of ship fuel on board a ship.	4% of HFO 4-6 months	Presentation. Certificate IACS. Test fuel. Offer.
7	Technology for production of winter diesel fuel from summer diesel fuel , in the condition of the oil depot, without preheating one.	Additional competitive advantage.	Link.
8	Technology to accelerate separation of water and natural oil , at the points of extraction one without evaporation.	Reduction of time for oil treatment	in the negotiation process.
9	Technology to accelerate the cleaning of transit oil tanks from oil sludge.	Additional competitive advantage.	Link , Article , another in the negotiation process.

<p>standard fuel burning & standard losses</p>	<p>or TRGA systems</p> 	<p>for HFO mechanical treatment for reduction of specific fuel consumption, sludge & emission</p>
<p>for platforms & power barges (with boilers and generators)</p>		
<p>Using standart HFO</p>  <p>Get standard energy</p>  <p>& standard equipment wear.</p>	 	<p>With TRGA systems You using less Fuel</p>  <p>But get the same energy</p>  <p>& less equipment wear.</p> <ul style="list-style-type: none"> ❖ 1-2 months for project. ❖ 2-4 years of successful and safe equipment working (up to 5 years). ❖ Compatible with all industrial boilers. ❖ Payback time 4-8 months.
<p>Call us when you buy this. We will provide HFO savings 2.66-4.1%, sludge disposal, long work injectors and pumps, the absence of smoke and long cleaning interval for boiler, nozzles, filter, separator and heat exchangers. It works on land and at sea.</p>		
<p>You primitive burning 10 tonnes HFO p/h. (72 000 tns p/years) ?</p>	<p>We can save 2.66-4.1% of HFO. we do it since 2007.</p> 	<p>Direct economy p/years is \$ 648 000.00 (in price Apr. 2017, not including other positive factors)</p>
	<p>TRGA technology. Tested on 10 years on 152 successful projects in Russia, Serbia, Croatia, Romania, Guinea, Ukraine, Kazakhstan, Belarus, Tatarstan, Jamaica, Syria, the Philippines, Slovenia.</p>	