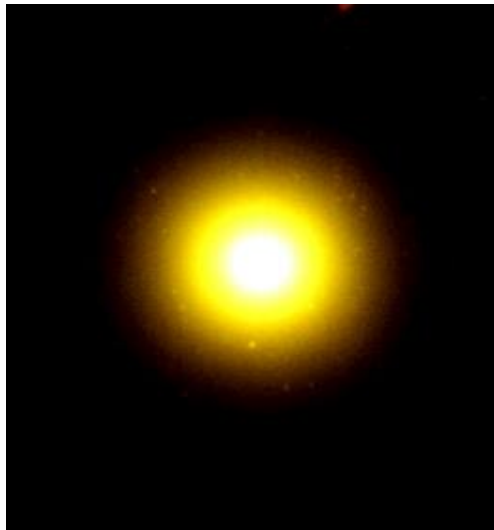


# LINREC-Z



# LINEAR FUSION REACTOR

# IDEA

- **To create industrial the fusion reactor with colliding plasma beams**
- **To transfer planet energetics to environmentally friendly energy production by Linrec-Z reactors**

# **PROBLEM OF THE MARKET**

**86% of the energy consumed on the planet are the mineral (oil, gas, coal) and nuclear (Chernobyl, Fukushima) resources**



**GLOBAL WARMING**

**TERMINATION OF MINERAL  
RESOURCES**

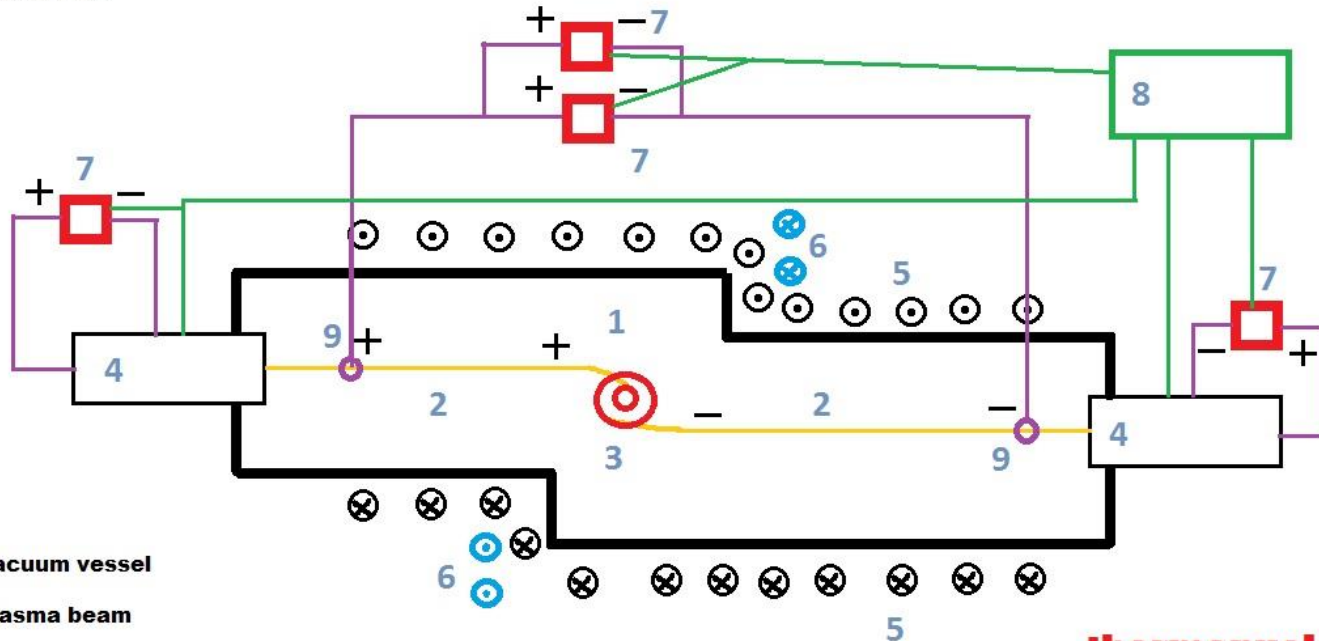
**POLLUTION OF THE PLANET**

# PRODUCT

## ENVIRONMENTALLY FRIENDLY FUSION REACTOR

### LINREC-Z

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1. Vacuum vessel
2. Plasma beam
3. Circular electric currents
4. Plasma accelerator
5. Solenoid coils
6. Additional solenoid coils
7. Energy store
8. Electronic control device
9. Electrode

**thermonuclear  
reactor  
with Z-shaped  
magnetic field**

### Linrec-Z fusion reactor

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# THE MAIN COMPETITORS

- Fuel companies (oil, gas, coal) - 81% of the market
- The Nuclear companies - 5% of the market
- The ITER Project - the budget of €20 billion, the probability of success is unknown
- Solar power plants - % of the market is growing



# COMPETITIVE ADVANTAGES

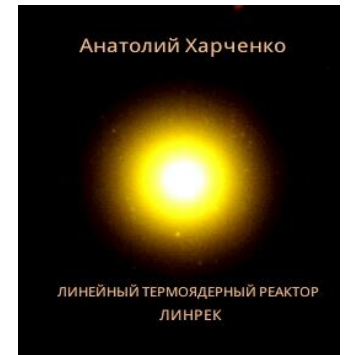
OVER FUEL AND NUCLEAR THE COMPANIES –  
ECOLOGICAL PURITY, SAFETY AND  
INEXHAUSTIBILITY OF FUEL

## OVER SOLAR POWER PLANTS

- ◆ NEEDED AREA IS HUNDREDS TIMES LESS THAN AREA FOR SOLAR POWER PLANT
- ◆ ELECTRICITY IS SEVERAL TIMES CHEAPER

## OVER OTHER FUSION REACTORS

- ◆ PLASMA HEATING AND CONFINEMENT DUE TO OWN CURRENTS IN THE PLASMA
- ◆ SMALL SIZE AND SMALL COST



# TEAM

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The author and the head of the project.

Education:

1988-1995 - Moscow State University, knowledge engineering

1981-1983 - MIPT, quantum radiophysics

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