



# Renelux Group

High Quality Fuels & Feedstock  
for the Global Industry



## About Us

Renelux Group operates in the international trading of alternative fuels such as Tire-Derived Fuel (TDF), Refuse-derived Fuel (RDF), Biomass, as well as traditional solid fuels that include Steam Coal and Green Petroleum Coke of various grades.

In direct cooperation with top-quality producers in USA, European Union, Russia, Latin America Indonesia, Saudi Arabia and South Africa, Renelux supplies key industries such as cement, steel and aluminum plants, power production plants and calcining plants, with a variety of solid fuels, that comply with the highest global standards.

Available delivery options include CIF and CFR to any safe destination in the world, as well as FOB, as per Incoterms 2010.

Renelux serves the market through spot product offerings and/or term agreements, to assure consistency and continuity of supply, to the benefit of its clients.

## Why Renelux

- ✓ We satisfy even the most demanding technical requirements regarding our products, through our worldwide network of producers, that extend in four continents
- ✓ We guarantee the quality of our products with performance bonds and quality certificates, issued by the most reputable international cargo inspection organizations
- ✓ We assure continuity and consistency of supply, based on our long-term supply agreements with our producers
- ✓ Our strong relationships with leading shipping companies, allow us to provide our clients with very competitive terms of delivery

Renelux Cyprus Ltd. belongs to Renelux Energy Group, which was founded in Greece in 2003 and applies a Quality Management System in line with ISO 9001:2008.



# Renelux Cyprus Ltd & International Energy Support LLC

Creating Synergies to the Benefit of our Clients

As of 2017, **Renelux Cyprus Ltd** and **International Energy Support LLC** have established cooperation in order to increase their presence in the industrial fuels and feedstock market of India and not only.

Within a period of almost one year, Renelux Cyprus Ltd and International Energy Support LLC have sourced industrial fuels for large-scale Cement manufacturers through an extensive network of End Producers that include global oil refining corporations, coal miners and waste management companies.

If you are preparing your solid fuels procurement plan for the next year or you have an extraordinary product request that must be fulfilled immediately, do not hesitate to discuss your requirements with us. Our team of experienced professionals will be pleased to work with you to develop an optimized solution that will satisfy your goals.



## Green Petroleum Coke

In direct cooperation with the most renowned Refineries in the world, Renelux supplies the industrial organizations with different types of Fuel Grade and Anode Grade GPC, with Sulfur Contents ranging from 0.7% (Anode-Grade GPC) up to 8% (Fuel Grade GPC).

The product can be supplied through spot offerings or on the basis of a term agreement.

### Typical Qualities

	Fuel Grade GPC
Moisture	6% - 12%
Ash	0.2% (AR) - 4% (ADB)
Volatile Matter	10% (AR) - 12% (ADB)
Sulphur Content	4.5% (AR) - 8% (ADB)
Gross Calorific Value	7.500 - 8.800 kcal/kg
HGI	40 - 90
Size	Max 50mm

### Origin



### Shipments

Renelux delivers its products in terms FOB or CFR/CIF to any safe destination in the world, as per Incoterms 2010. Load vessel size varies from 20kt up to 70kt depending on the origin and the product grade.

The cargo inspections are undertaken by qualified Surveyors with global presence.



## Steam Coal

Renelux Steam Coal is sourced from selected mines in Indonesia, South Africa, Russia and USA that produce various grades of Coal with calorific values ranging from 4.200 kcal/kg GAR up to 6.500 kcal/kg GAR. Special sizing can also be provided upon request.

The product can be supplied through spot offerings or on the basis of a term agreement.

### Typical Qualities

	Indonesian Origin Steam Coal
Total Moisture	12% - 18% (ARB)
Ash	7% - 16% (ADB)
Volatile Matter	26% - 41% (ADB)
Sulphur Content	Max 1% (ADB)
Gross Calorific Value	From 4.200 up to 6.300 kcal/kg GAR
HGI	Min 42
Size	0-50mm: 90% / Above 50mm: 10%

### Origin



### Shipments

Renelux delivers Steam Coal in terms FOB or CFR/CIF to any safe destination in the world, as per Incoterms 2010. The average load vessel size is Ca. 50kt.

The cargo inspections are undertaken by qualified Surveyors with global presence.



## Tire-Derived Fuel (TDF)

Used tires or TDF are one of the most readily useable and highest heat content non-hazardous wastes available. Renelux serves the global industry with top quality TDF originated mainly from the European Union and USA. TDF is produced from shredded tires from cars and trucks. Its calorific value ranges typically between 8.000 kcal/kg and 8.700 kcal/kg, depending on the country of origin.

Environmentally, TDF is much similar to coal and better in some aspects like sulphur content. Typically, TDF has 0.5% to 2.0% sulphur; this is same as superior quality coal and less than most coal and coke types. TDF can reduce fuel cost to industries and can help industries reduce the potential carbon tax.

### Typical Qualities

	South Europe Origin TDF
Gross Calorific Value	Above 8.000 kcal/kg
Size options	2 inches – 10 inches
Sulphur Content	0.5% - 2%

### Origin



### Shipments

Renelux delivers TDF in terms FOB/FCA or CFR/CIF to any safe destination in the world, as per Incoterms 2010. Cargo sizes vary from container loads up to Handysize full vessel loads, depending on the country of origin.

The cargo inspections are undertaken by qualified Surveyors with global presence.



## Refuse-Derived Fuel (RDF)

RDF is an environmentally beneficial and economical alternative energy source, produced from non-recyclable municipal and industrial waste. RDF supplements or replaces Green Petroleum Coke and Coal and can be used by production facilities with little or no modification in their solid fuel systems.

Renelux’s RDF is sourced from large-scale waste management facilities in Europe and USA. Its calorific value ranges from 3.580 up to 5.000 kcal/kg, depending on the type of waste in the country of origin and the production process. RDF is a low-ash low-sulfur alternative fuel that may be eligible for Renewable Energy Credits in some countries.

### Typical Qualities

Gross Calorific Value	Above 3.580 kcal/kg
Size	< 0.33 inches: 90% 0.34 -1 inch: 10%

### Origin



### Shipments

Renelux delivers RDF in terms FOB/FCA or CFR/CIF to any safe destination in the world, as per Incoterms 2010. Cargo sizes vary from container loads up to Handysize full vessel loads, depending on the country of origin.

The cargo inspections are undertaken by qualified Surveyors with global presence.



## Biomass

Biomass is a carbon neutral fuel obtained from plant matter and wood production waste, that substitutes fossil fuels and is widely promoted by the Governments to reduce carbon dioxide emissions.

Renelux sources this valuable alternative fuel mainly from agricultural plants and wood processing factories in European Union and other areas.

### Typical Qualities

Total Moisture	10% - 20%
Ash	3% - 10%
Volatile Matter	8% - 60%
Sulphur Content	0% - 3%
Gross Calorific Value	4.000 – 7.000 kcal/kg
Size	Up to 1 inch

### Origin



### Shipments

Renelux delivers Biomass in terms FOB/FCA or CFR/CIF to any safe destination in the world, as per Incoterms 2010. Cargo sizes vary from container loads up to Handysize full vessel loads, depending on the country of origin.

The cargo inspections are undertaken by qualified Surveyors with global presence.



## Limestone

Limestone is a by-product of the nickel-iron ore mining and is suitable for use in the production of cement, as aggregate in concrete or in construction works (roads, ports, etc.).

Renelux supplies the cement industries with high quality Limestone with Magnesium (MgO) below 0.7% on term or spot basis.

### Chemical Analysis

CaCO <sub>3</sub>	95 - 97%
Fe <sub>2</sub> O <sub>3</sub>	0.4 - 1.4%
SiO <sub>2</sub>	0.8 - 1.9%
Al <sub>2</sub> O <sub>3</sub>	0.3 - 0.8%
MgO	0.3 - 0.7%
Cr <sub>2</sub> O <sub>3</sub>	0.01 - 0.08%

### Origin



### Shipments

Renelux delivers Limestone in terms FOB or CFR/CIF to any safe destination in the world, as per Incoterms 2010. Cargo sizes vary from Handymax to Supramax full vessel loads.

The cargo inspections are undertaken by qualified Surveyors with global presence.



## Furnace Slag

Ferronickel slag, a non-hazardous waste obtained from reductive smelting of laterite ore in electric arc furnace, a glassy material, is used as mineral admixture up to 20 wt% for the production of blended cements. The slag containing cement exhibits relatively lower water demand and longer setting times than the simple cement. Furthermore, the admixture addition improves mortar workability.

Renelux supplies the cement industries with Ferronickel production's electric arc Furnace Slag on term or spot basis.

### Typical Qualities

Total Moisture	10% - 20%
Ash	3% - 10%
Volatile Matter	8% - 60%
Sulphur Content	0% - 3%
Gross Calorific Value	4.000 – 7.000 kcal/kg
Size	Up to 1 inch

### Origin



### Shipments

Renelux delivers Furnace Slag in terms FOB or CFR/CIF to any safe destination in the world, as per Incoterms 2010. Cargo sizes vary from container loads up to Handysize full vessel loads, depending on the country of origin.

The cargo inspections are undertaken by qualified Surveyors with global presence.



## References – Year 2017



Product:	Green Petroleum Coke
Quantity:	55.000 MT
Producer:	YASREF Refinery
Loading port:	YANBU, Saudi Arabia
Date of Shipment:	21 July 2017
Discharging port:	Krishnapatnam, India
Renelux Assignment:	Buyer's Agent

## **TOTAL CLIENT SATISFACTION**

Renelux brings together the “Pieces of The Puzzle”

- ✓ Selection of First Class Producers
- ✓ Strict Cargo Inspection & Certification
- ✓ Efficient Logistics
- ✓ Consistent Delivery
- ✓ Competitive Pricing
- ✓ After Sales Support





International Energy Support LLC

Head Office:

3024 West Hartford St. 74012, Broken  
Arrow, Oklahoma USA

Email:

[ienergy2u@internationalenergysupport.com](mailto:ienergy2u@internationalenergysupport.com)

URL: [www.internationalenergysupport.com](http://www.internationalenergysupport.com)

Tel: +1 (918) 998-7395

Skype: International Energy Support LLC

WhatsApp: +1 (918) 998-7395

Branch Offices:

Plot No:77 Royale Palms Flat A, Selvam  
Nagar, Kolathur, CHENNAI - 600110 INDIA

64/2A, NIT Industrial Area Faridabad,  
HARYANA -121001, INDIA



**Renelux**

Renelux Cyprus Ltd

Head Office:

9. Theklas Lyssiotti Str. 3030,  
Limassol Cyprus

Email: [info@renelux.com](mailto:info@renelux.com)

URL: [www.renelux.com](http://www.renelux.com)

Branch Office:

1, Nikolaou P. Chounta Str. 19002, Paiania,  
Attica

Tel: +30 210 6039948

Fax: +30 210 6039948

