

NEXXOIL

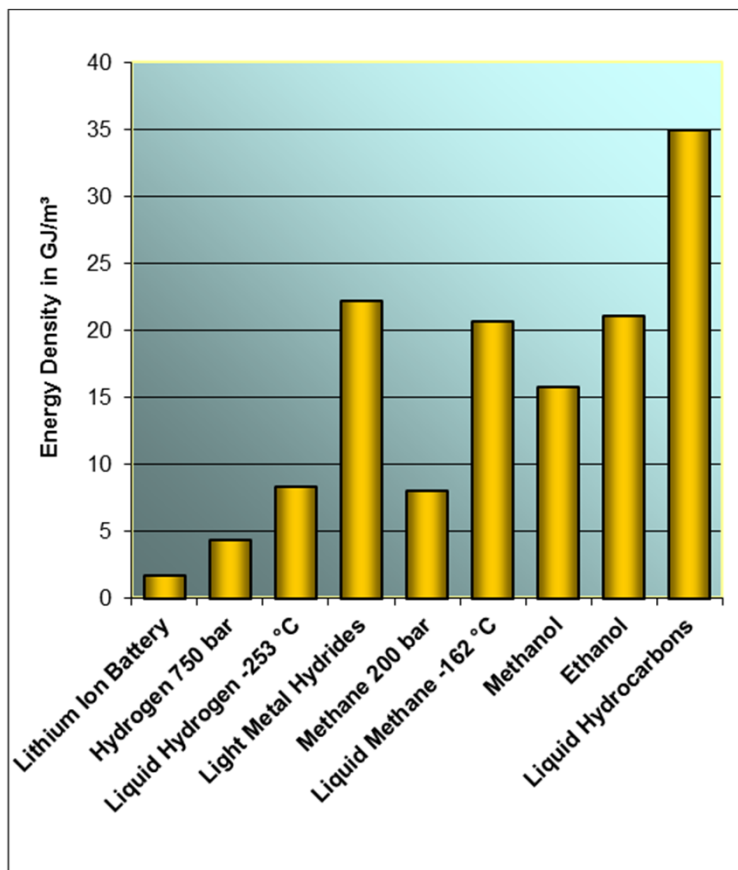


The next generation of biofuels

Nexxoil Technology

- **Nexxoil is a Technology Company**
 - Renewable Energy, Clean/Green Technology
 - Liquid hydrocarbons **as new generation biofuels**
 - **Design, construction and commercialization** of biofuel production-equipment.
- **2 Areas of application for Nexxoil's core technology**
 - CVO Technology for advanced 1st generation biofuel production from vegetable oils, algae oils, animal fats, waste fats, tall oils as well as heavy waste oils (e.g. ship oils, vacuum distillation residues, tars etc.).
 - **Scaling up and commercialization of this technology within 3-4 years.**
 - READi Technology for advanced 2nd generation biofuel production from solid biomass (e.g. wood, straw, miscanthus etc.) and waste (e.g. plastics, rubber, automotive shredder residue, municipal solid waste, sewage sludge, bone meal etc.).
 - **Scaling up and commercialization of this follow-up technology to CVO within 5-8 years.**

What are the best biofuels?



- Liquid Hydrocarbon Fuels are the best substitute for fossil fuels
 - By far the highest energy density (see. figure on left)
 - Fully compatible with current logistics, storage and distribution infrastructure
 - Only viable option for the following transportation sectors

- Aircraft



- Heavy trucks

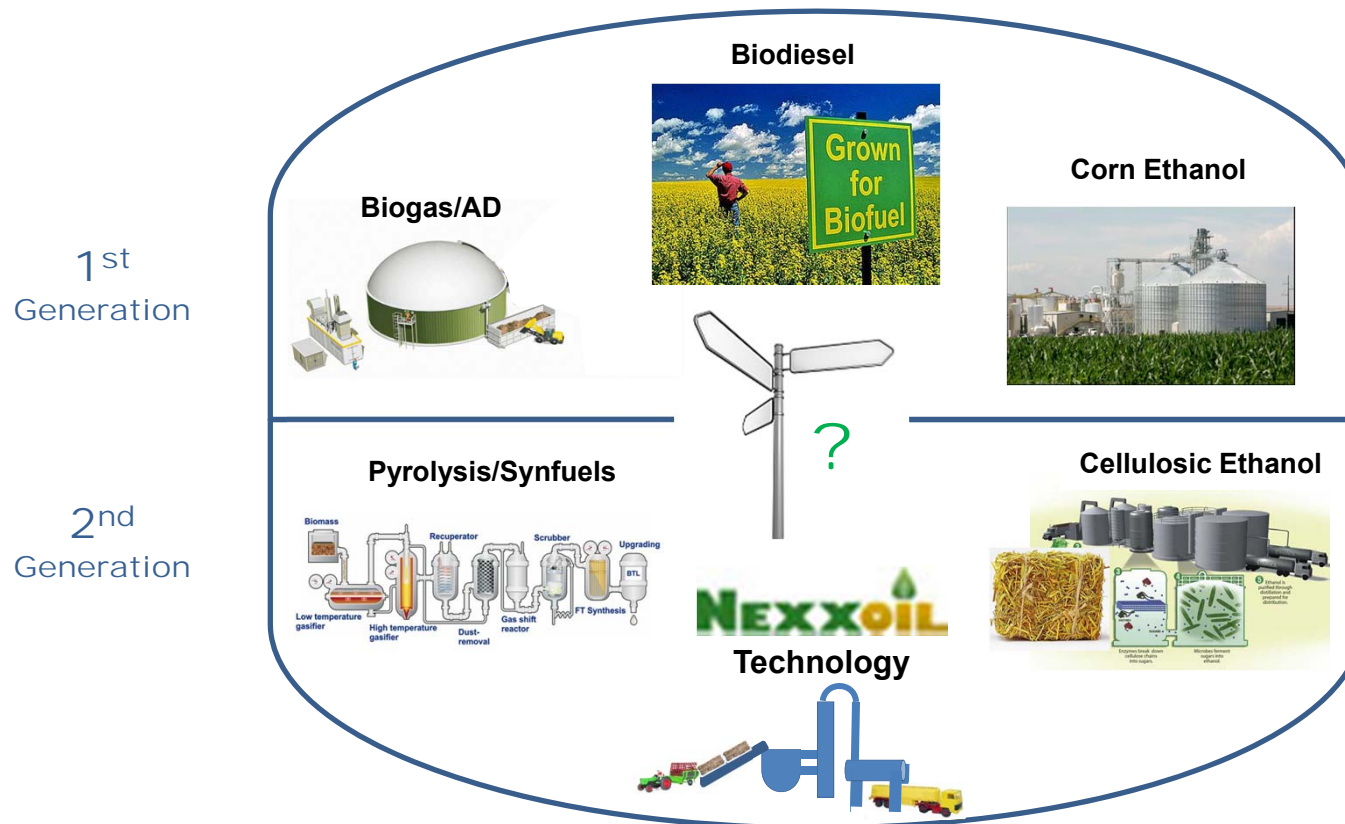


- Maritime shipping

Only liquid hydrocarbon biofuels:

- Have unlimited drop-in quality.
- Can be used in all existing engines and infrastructure.
- Have immediate and direct access to the entire liquid transportation fuels market.

Which is the best technology?



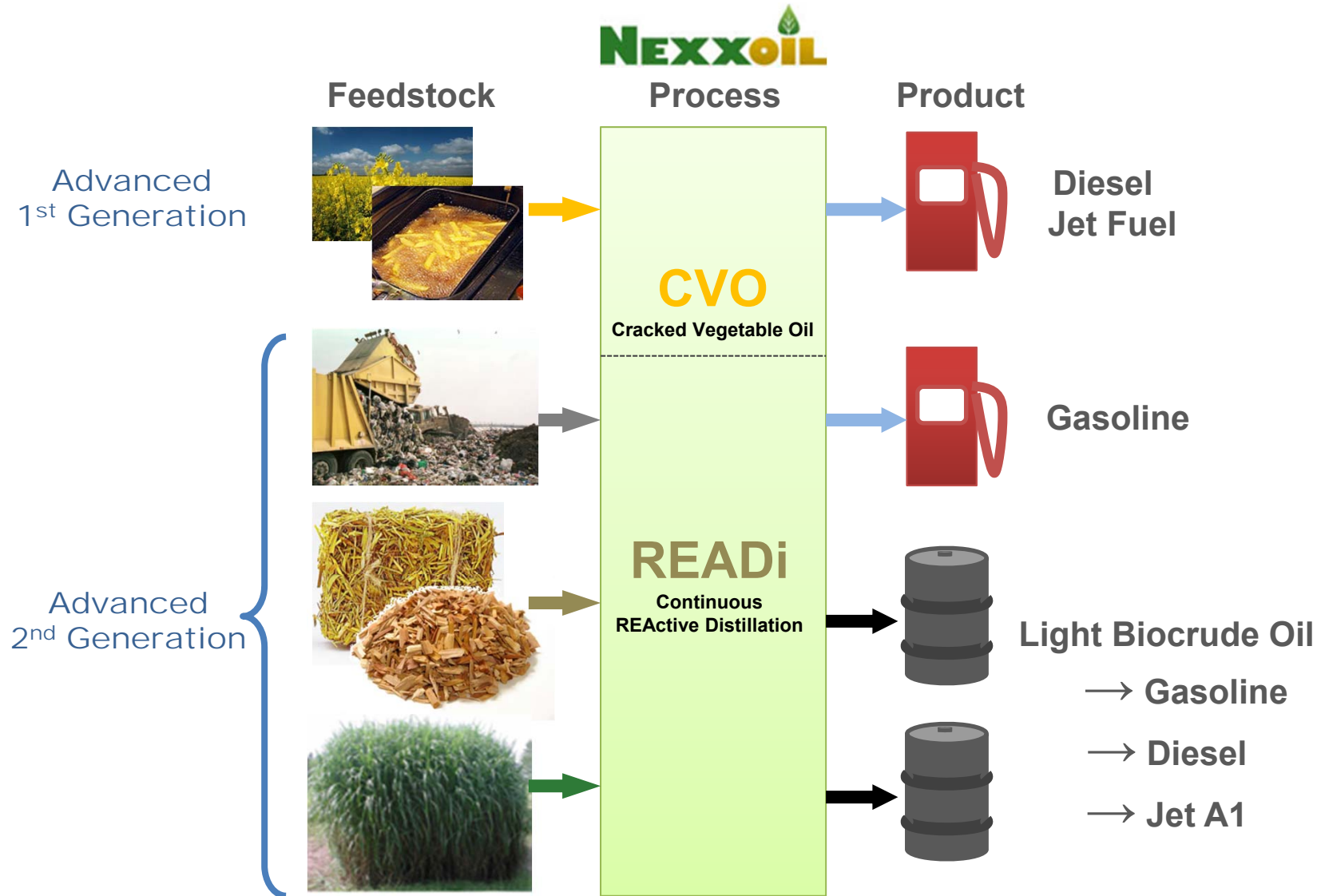
- **Nexxoil is the only biofuel technology that can be applied to**
 - advanced 1st generation biofuels (true drop-in qualities, highest conversion efficiency)
 - advanced 2nd generation biofuels (use of waste biomass, plastics, organic waste)
- **Nexxoil Technology is a major breakthrough for**
 - higher efficiency
 - lower costs
 - drop-in quality fuels
 - use of sustainable feedstocks

Nexxoil Technology

- **Features of Nexxoil Technology**

- **Products are 100% compatible with existing infrastructure**
 - **Gasoline, Diesel, Jet A1 fuels**
 - **Drop-in fuels**
 - **Standard oil refinery technology, storage, distribution, logistics**
- **Highly efficient conversion technology**
 - **40% more cost effective**
than competing 1st generation technologies (e.g. Biodiesel/FAME and HVO)
 - **Significantly higher energy efficiency and lower cost**
than competing 2nd generation technologies (e.g. SynGas/Fischer Tropsch)
 - **Self-maintaining, impurity-tolerant and continuous process**
 - **No need for catalysts, enzymes or other auxiliary chemicals**
- **Proven process**
 - **CVO and READi processes have been validated** in continuous production mode with a wide variety of real-life liquid and solid feedstocks (e.g. waste oils, straw, woodchips, miscanthus, plastics and others)

Nexoil Technology



Efficiency of liquid biofuel technologies

Biodiesel *
(rape seed)



Ethanol *
(corn, USA)



Cellulosic Ethanol *
(straw)



Cellulosic Ethanol **
(miscanthus)



BtL (SynGas/FT) *
(wood)



NEXXOIL
READi + Refining **
(miscanthus)

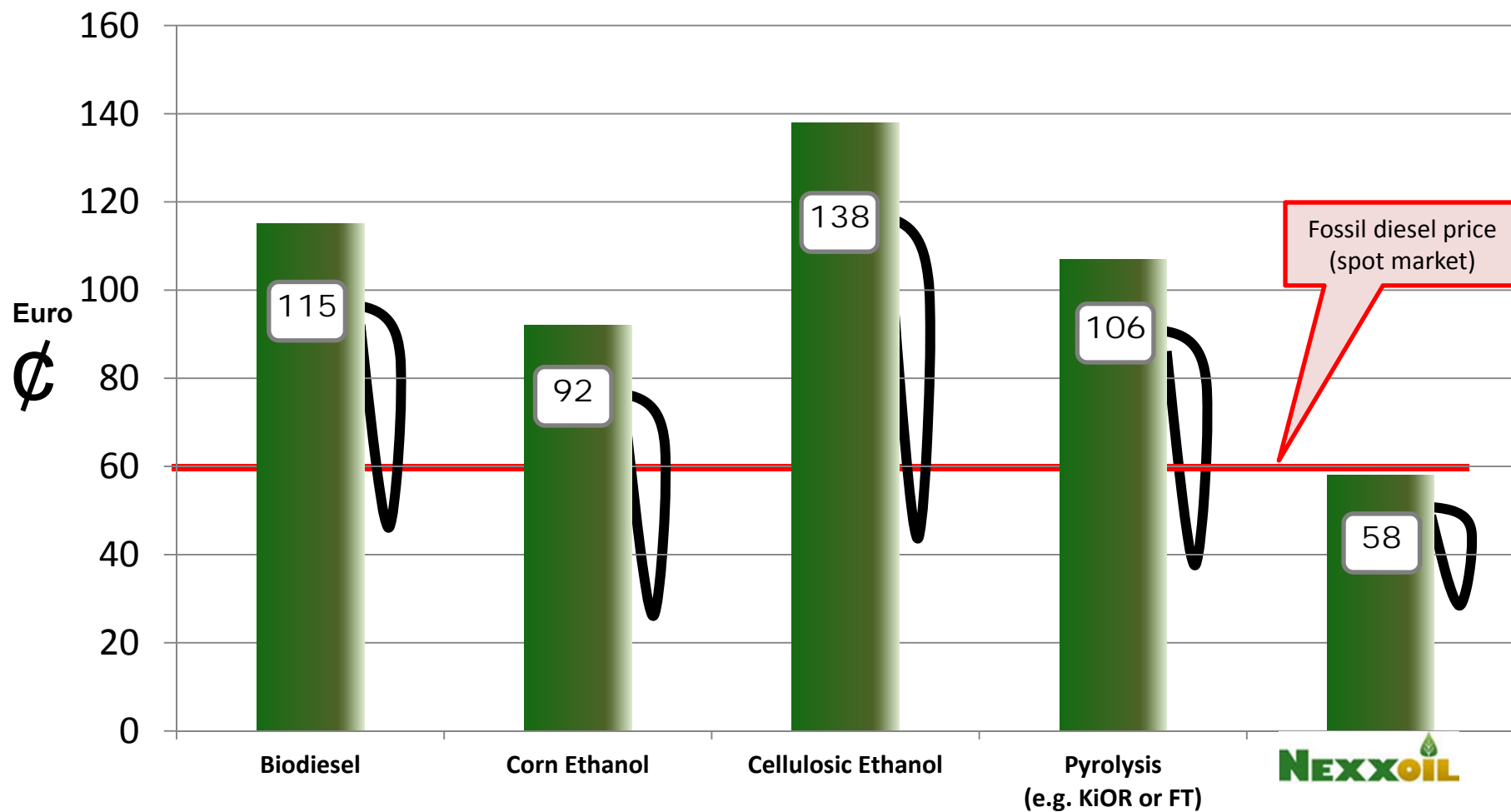


Conversion efficiencies of different liquid biofuel technologies
as liters of diesel-fuel equivalent that can be produced by the harvest of one hectare (10 000 m²) of farmland

* Source: Fachagentur Nachwachsende Rohstoffe (FNR) Broschüre „Biokraftstoffe“ 2006

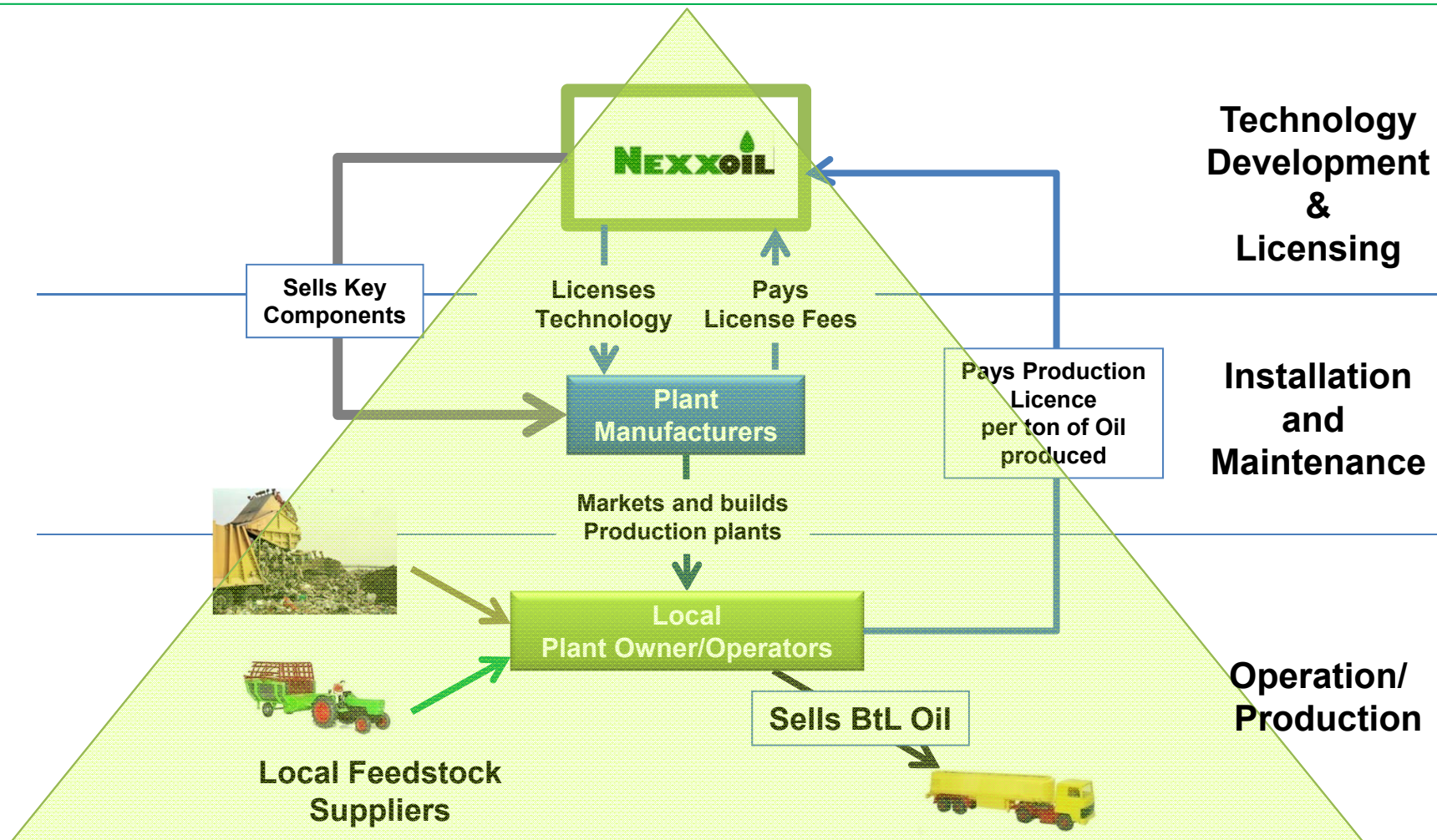
** based on 20 t annual dry organic yield per hectare + FNR 2006

Price of final fuel product (liter of diesel equivalent)



Nexxoil's READi Technology produces i.e. diesel fuel at price parity to current (Jan 2013) diesel spot market prices (without tax).

Business model



Nexxoil's 3-tier business model is based on the proven and successful strategy that was employed to roll-out Biogas/AD technology to over 6000 sites in Europe.

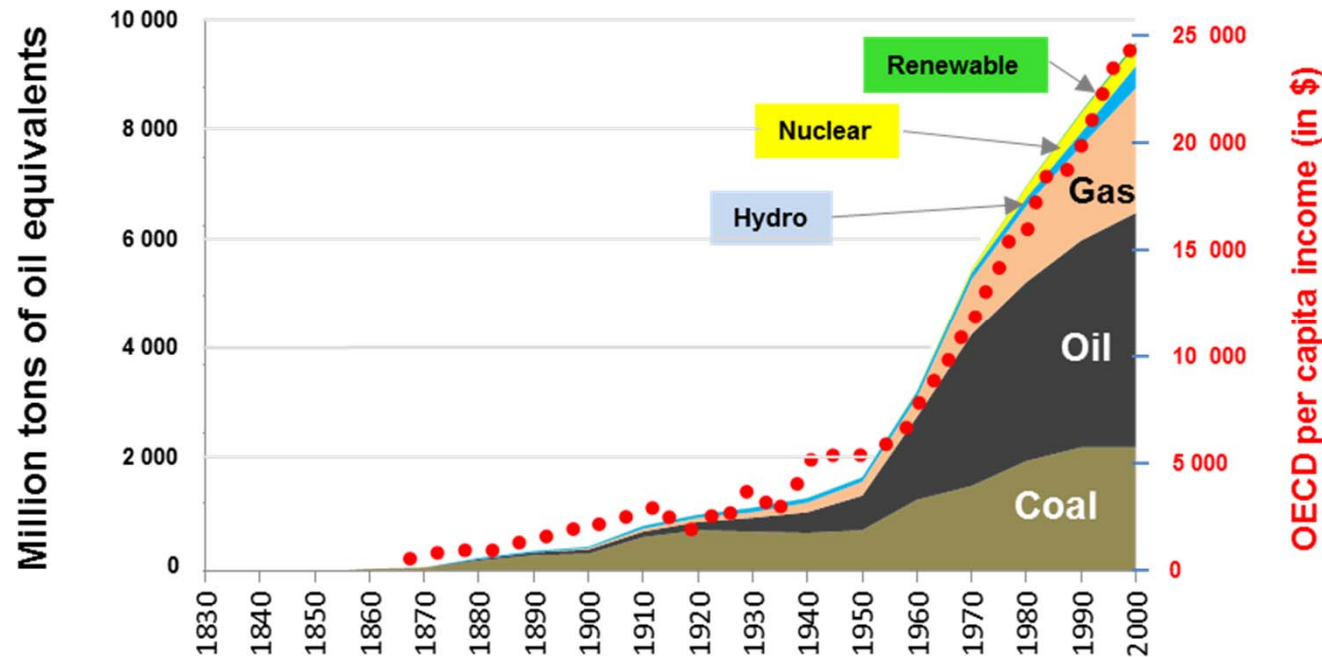
Distributed installation and operation of production plants leverages the organizational and financial capabilities of existing manufacturers and potential producers (farms, forestry, waste disposal).

Our business model means less capital requirements, faster roll-out and greatly reduced financial risk.

Why invest in biofuels?

Energy and living standard are closely linked.

Rising standards of living in emerging economies create a huge extra-demand for fuels.



Sources: World energy consumption (80% in OECD countries) from the beginning of the „fossil fuel age“ to 2000.

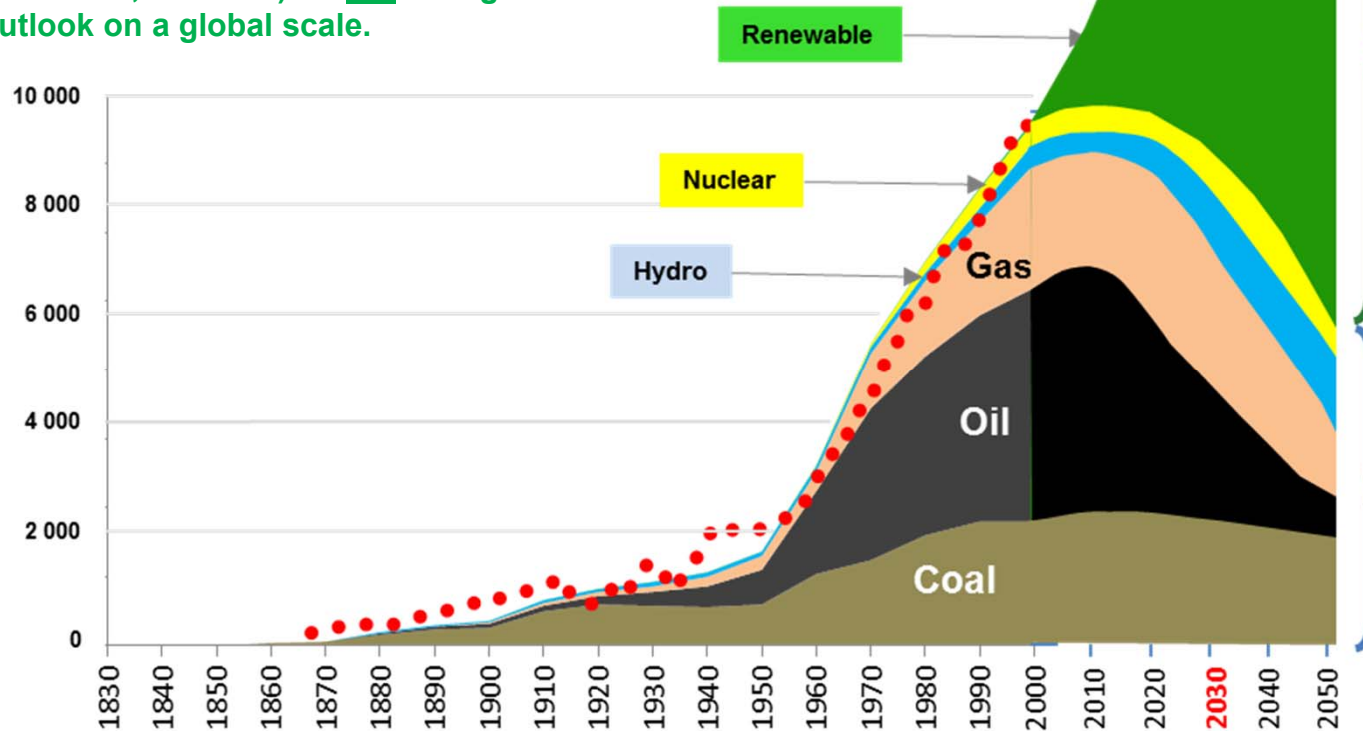
..... Dotted red line shows the rise of per capita income in OECD countries from 1860 to 2000 (in present Dollar value).

Why invest in biofuels?

The future of the energy market

Renewable energies are the biggest growth market of the coming 20-30 years.

Fracking and unconventional sources (tar sands, shale oil) do not change this outlook on a global scale.



Extra demand from emerging economies. Must be supplied from renewable sources

Forecast for conv. energy

 IEA forecast of world energy demand in 2030 .

* Global energy outlook 2007, International Energy Agency, Paris, 2007

Invest in Nexxoil

- **Investing in Nexxoil means**
 - Investing into the future of world energy supply – a multi trillion dollar market
 - Investing into the most efficient technology for non food-competing biofuels
 - Investing into a team of world leading engineers and scientists in the field of biofuels
 - Investing into sustainable prosperity of developed and developing economies
 - Investing into the independence from politically insecure energy suppliers
 - Investing into an environmentally friendly future of air- and ground transport

Nexxoil offers attractive opportunities for private as well as institutional/strategic investors

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