



## **EMPFG CONSORTIUM - Emerging Markets Project Facilitators Group**

The EMPFG Consortium contains public and private entities from Europe US and Israel aiming to provide a full range of solutions for facilitating projects in emerging markets such as:

1. Innovative technologies in critical areas for development in Farming, Energy and infrastructure;
2. Funding mechanism of top priority projects in emerging markets that include private and public investment funds
3. R&D and training services for adopting innovative technologies

The EMPFG Consortium members have proven track record in developing projects in Africa and has the capability and operational skills to establish large scale projects:

### I. Public sector:

#### 1. **Israeli Electricity Company – IEC:**

- \$8 billion Government Company; sole integrated utility generating 90% of the electricity
- Execution of large scale Energy Efficiency projects for government, municipalities, and industrial and technology private sector companies -  
<https://www.iec.co.il/en/aboutus/pages/default.aspx>

#### 2. **VUB University - Vrije Universiteit Brussel – Flemish University, Belgium**

Represented by Prof. dr.ir. Abdellah Touhafi, Founder and CEO of LUMEMCY

Faculty of Engineering Sciences – Electronics and ICT

- Extensive experience in LED lighting and Smart Systems
- Training, R&D and Professional Services for new technologies and Implementation Methods: identification and valuation  
<http://www.vub.ac.be/english/infoabout/development/index.html#projects>

### II. Private Sector:

#### 1. **AGRIMA Investment Group:**

- **AGRIMA SA, and its President Mr. Daniel Israel have vast experience in developing sustainable business in Africa and worldwide.**
- **AGRIMA investment group belongs to a family business conglomerate based in Brussels and Geneva specialized in conception and building of turn-key projects,**

**management of projects, real estate solutions, commodities, energy and innovative technologies in West Europe and Africa. ( In Belgium, the family group owns amongst other business, one of the largest real-estate companies in Brussels – PARGESY SA - <http://www.pargesy.com/index.html>. In Africa the family group owns real estate and official buildings in Central Africa countries; In Democratic Republic of Congo. Their local company owns the UN Peace Keeping Mission Headquarters in Kinshasa and several banks in Central & East African countries.**

- **The estimated value of the conglomerate is around 2.6 Billion EURO and AGRIMA investment group intends to invest 200 Million USD to establish selected pilot projects in in Nigeria to showcase the impact of the new investment model for Africa on local economy, transforming Nigeria as African model for sustainable development; recruiting public & private investment funds to develop local prosperous economy**

**2. PayServices Ltd** <https://www.payservices.com/front/index.php>- PayServices digital ecosystem evolutionary holistic transactional system is uniquely designed to securely identify, connect and codify the relationships, interactions and interacting representatives' roles, rights and obligations of several of the following:

1. Suppliers
2. Buyers
3. Commodities: products & services specifications & prices
4. Tracking shipment of goods
5. Quality confirmation of the commodity
6. Transaction payment
7. Verification of all parties' identifications
8. Assignment of roles, rights, obligations and limitations
9. Controlled access tools, terminals & systems
10. On and off-line security of access and data, transactions and users
11. Secured cloud based multi-site servers, fully replicated, backup and with load balancers.
12. Connection to smart cities and communities, e government applications and the banking sector
13. Financially licensed, and banking level IT certification
14. Capable of handling, storing and exchanging all symbols of values including but not limited to:
  - FIAT currencies such as USD, EUR, GBP
  - Crypto Currencies such as Bitcoin
  - Complementary Currency such as Food Stamps or Airline Miles
  - Barter currencies such as tomatoes, apples kWh, time
  - Commitment Currencies such as future contracts
  - Opinion Currencies such as surveys, polls
  - Real Time Data Currency from real time smart meters, public transportation tracking, ...
  - Smart Contracts Currency
  - Redeemable Impacts or other certificates such as carbon credits
15. Capable of recording data, contracts and transactions on various types of ledgers including mono and double entry, block chain, multi entry and hybrid private or public ledgers. This can allow in one holistic system to record for an international trade finance application all documents, titles, policies, transactions and payments etc., in one ledger system. Currently banks do banking, companies use their ERPs, shipping use their own systems, suppliers and

clients try to handle the various incompatible data on different systems and using different IT “languages “.

16. Manage digital signatures of identified parties using multi factor identification schemes

17. Manage smart Contracts.

The PayServices digital tools allow and permit the control in real time of transactions whether it is for: 1. Investments 2. Incomes 3. Expenditures 4. Assets 5. Liabilities 6. Management 7. Mitigation (Minimize investment risks) 8. Taxation 9. Exchange 10. Supply chain 11. Manufacturing & service industries 12. Wholesale and retail 13. Short, long and circular economies 14. Sustainable applications 15. Impact certificates

3. PROGIS, Austria <http://www.progis.com/> – developed Satellite digital software for monitoring & management Agri-land and floristries that provide following solutions:

- **Managing agriculture, forestry and ecology in general in an economic and ecologic sustainable manner and integrate all stakeholders from Ministry to farmers, advisory services and science experts and others with state of the art newest technologies from satellite images to GIS and different applications and also integrating local experts know how and data and integrate also**
- **Education with local stakeholders on different level of education from University till workers etc. with technology use and**
- **Support the technology of ownership cadastre for all farmers and also others as well as also integrate around cities and villages the environmental management and the cooperation with farmers and**
- **valuate and organize the conflicts between ecology and economy to manage both sides sustainable and**
- **organize the financing with strong finance partners an fast start-up and new models of long-term financing incl. guarantees and**
- **management plans for entire countries and low cost values per ha due to new general license concept!**

**4. UniVerve Ltd** - An Israeli technology company that developed unique global patented technology to cultivate in land sea Microalgae and process it to produce biofuel, healthy food supplement (Omega 3) and fish meal; UniVerve finalized its R&D pilot project in the South of Israel, and established in Israel a large scale commercial algae farming project (cultivating 400 hectares in one of the Israeli Kibbutz)

- UniVerve, founded in 2009, is privately held by its founders, leaders in the area of agribusiness and economics, biofuels, algae research, and international management. Headquartered in Tel Aviv, UniVerve began constructing its first farm in northern Israel  
<http://www.univerve-biofuel.com/category/about-us>

**5. Blue Sphere (OTCBB: BLSP) ( US/Israel):**

Blue sphere Corporation is a leader in the organics to energy space, acting as a project integrator and developer of a range of organics to energy projects from landfill gas to energy to organic food waste

to energy. They have two primary areas of focus: (i) organics to energy projects in the United States and (ii) landfill gas to energy projects in Ghana and West Africa.

- Blue Sphere (OTCBB: BLSP) is an international company active in the fields of organic waste to energy, cleantech and energy.
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Blue Sphere business model is to own cash generating assets for long term by either BOO (Build-Own-Operate) large organic waste to energy facilities and landfill gas to energy projects or by acquisition of already operational facilities. Blue Sphere was incorporated March 2010 in Nevada, USA and is a US public company. <http://bluespherecorporate.com/>

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**6. EWP - Eco Wave Power**, a World Leader in Electricity from Ocean Waves, Eco Wave Power is the sole global inventor, owner and developer of the unique EWP wave energy devices. EWP wave energy company designs, manufactures and operates the EWP wave energy convertors. We believe that EWP patented technology is clearly on target to become a world leader in the wave energy field. <http://www.ecowavepower.com/>

#### **7. RAD Hi-Tech Communication Corporation (Israel):**

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- **RAD is a global Telecom Access solutions and products vendor.**
- RAD customers are top-tier service providers, power utilities, transportation companies, and governments
- For **power utilities, transportation companies and governments**, RAD Service Assured Networking solutions include best-of-breed tools for high security and mission-critical communications, mobility, and seamless migration to modern packet-switched networks and applications.
- With over 30 years of operation, a significant worldwide presence in over 150 countries, and an installed base of more than 13 million units, RAD is both experienced and very committed to make the projects we take successful. RAD is a member of the \$1.2 billion RAD Group of companies, a world leader in telecommunications solutions.

#### **8. Lumency Corporation (Belgium):**

- **Lumency** is a technology company specialized in smart LED lighting and energy efficiency. With their ground breaking Smart LED technology they can create energy and maintenance cost savings of 80%.
- Two years ago, LUMENCY were already able to realize up to 70% on energy savings and decrease the maintenance cost with a similar factor. Several projects including a test project at the Vrije Universiteit Brussel (VUB) have been implemented to demonstrate the potentialities with success. In mean time lumency technology has been further optimized and today we reach top-savings of more than 80% in energy and maintenance costs.

<https://www.b2match.eu/light-building2014/participants/103>

#### **9. ACTIVIEW SOLUTIONS Ltd:**

Founder and CEO Arie Taitler

- Project facilitators and project promoters
- Technology integrators
- Vast experience in facilitating projects in emerging markets

- Initiators of Regional Promotion Centres for Energy Efficiency & Environment – RPCEEE : Developing and introducing innovative solutions for improving efficiency, energy saving and improving environment of street lighting
- Initiators and facilitators of EMPFG Consortium  
<http://www.actiview.eu/index.html>

#### 10. DELTRIAN INTERNATIONAL

DELTRIAN Lighting provides lighting & maintenance services assisting its client saving energy by adopting innovative lighting solutions with no additional cost.

<http://www.deltrian.com/>

- 50 years old, continuous development
- 35.000.000€ turnover with 150 collaborators
- Local presence in 9 CEE countries, Russia, EMEA

DELTRIAN is an Energy Service Company delivers energy services (indoor & outdoor lighting) in a user's facility or premises. DELTRIAN accept some degree of financial risk for doing so. The payment for the services delivered is based (either wholly or in part) on the achievement of these improvements (Energy & Maintenance savings) and any other agreed performance criteria.

The Company enter in a contractual arrangement with the client (Energy Performance Contract) and the energy supplier of an energy efficiency improvement measure, where investments towards achieving that measure are paid for in accordance with a contractually agreed level of energy efficiency improvement.

**The company is responsible for the implementation of the energy saving measures and the operation and maintenance of the lighting system. The payment to the company is based on the actual energy savings. Such Energy savings contract has a high potential for financing modern and energy efficient street lighting and indoor lighting solutions, especially in municipalities with limited budget for investments and staff with limited knowledge of street lighting.**

**12. KAAL Masten B.V., Netherlands–provide innovative SPIRIT solar power columns streets and energy efficiency solutions for street lighting infrastructure modernization. (&SOLAR power Concepts;**

**The SPIRIT is the most sustainable lighting solution of its kind. The lighting is based completely on solar power, which means that electricity from the grid is no longer required. Moreover, as a CO2 neutral column manufacturer we have selected the most environmentally responsible materials. [www.kaal.nl](http://www.kaal.nl)**