

Timisoara February 26th 2015

VITTOR ENERGY GROUP

ENERGY EFFICIENCY AND RENEWABLE ENERGIES

WE ARE A ROMANIAN COMPANY WITH ITALIAN CAPITAL WHICH OPERATES IN TIMIS SINCE 2012. WE INVEST IN RENEWABLE ENERGY AND PROVIDE SERVICES AND PLANTS FOR ENERGY EFFICIENCY.

- Develop integrated and sustainable projects in renewable energy sector also in public/private partnership.
- Focus on growth and investment in the electric energy production segment from photovoltaic and biogas;
- Develop, on our own or in partnership, safe, sustainable, bankable and authorized projects;
- Ensure the commitment with local institutions, administrative as academic and of research;
- Share projects and investments with other partners in equity;
- Identify and coordinate the epc contractor for the implementation phase ;
- Support, where necessary, the leverage research ;
- Provide back office services during the start up phase;
- Ensure the business management coordination throughout the industrial activity of energy production of every single plant.

WORLD SCENARIO

- ❑ ENERGY EFFICIENCY IS NO LONGER A COST BUT A NECESSITY: REDUCE ENERGY INTENSITY IS A GOAL OF ALL INDUSTRIALIZED COUNTRIES:
 - ❑ CINA – 15% BY 2016
 - ❑ USA – 20% BY 2020
 - ❑ GIAPPONE – 10 % BY 2030
 - ❑ UE – 20% BY 2020

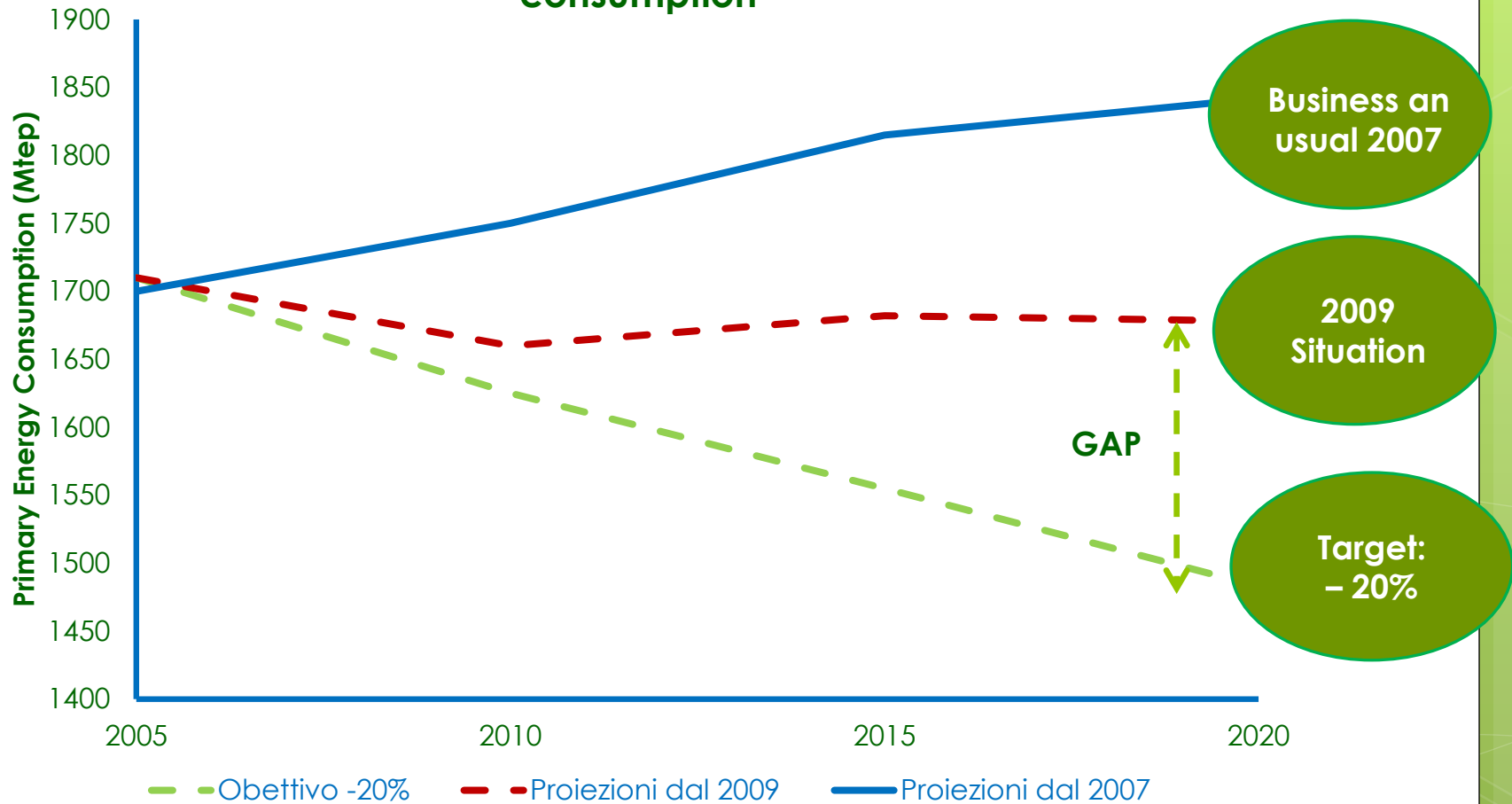
- ❑ World Energy Outlook currency , despite the measures taken, about 50% of potential savings for the companies it is not exploited and for the residential sector we are at 70%

- ❑ If all actions were implemented, the oil demand by 2035 would be lower by about 13milions barrels per day..... The equivalent of the combined production of Russia and Norway.



EUROPEAN SCENARIO

Figura 1.1. – Objective Directive 2012/27/UE for energy consumption



- ❑ Romania is a country with an improvement potential of energy efficiency estimated at about 65%.

Liberation of energy markets leads to higher prices for final consumer, families and industries , at a rate that may be higher than salary.

Therefore, the energy cost is a growing part of the revenues
Home and Business.

To address this trend is inevitable try to limit the impact on bills paid by consumers, the only solution is to act on the efficiency used and thus improve buildings and renewable energy production both in private sector, industrial and public administrations.

- ❑ The New Law on Energy Efficiency adopted in August 2014 is a crucial first step to start the process of energy saving and align with European objectives.

CRITICAL SUCCESS FACTORS

MINUS

- GENERAL FRAMEWORK ON ENERGY REGULATIONS UNSTABLE
- IMPLEMENTING REGULATIONS DELAYED
- POOR KNOWLEDGE TO THE PERIPHERAL LEVEL
- HEAVY BUREAUCRACY
- RIGID BANK SYSTEM
- POOR INFORMATION

PLUS

- BIG POTENTIAL
- SENSIVITY TERRITORIAL INSTITUTIONS
- HEPS AND BENEFITS OF A GOOD STANDARDS
- EXCELLENT LEVEL OF KNOW HOW
- RAPID AND ECONOMIC SOLUTIONS
- IMMEDIATE EFFECT OF ENERGY SAVINGS



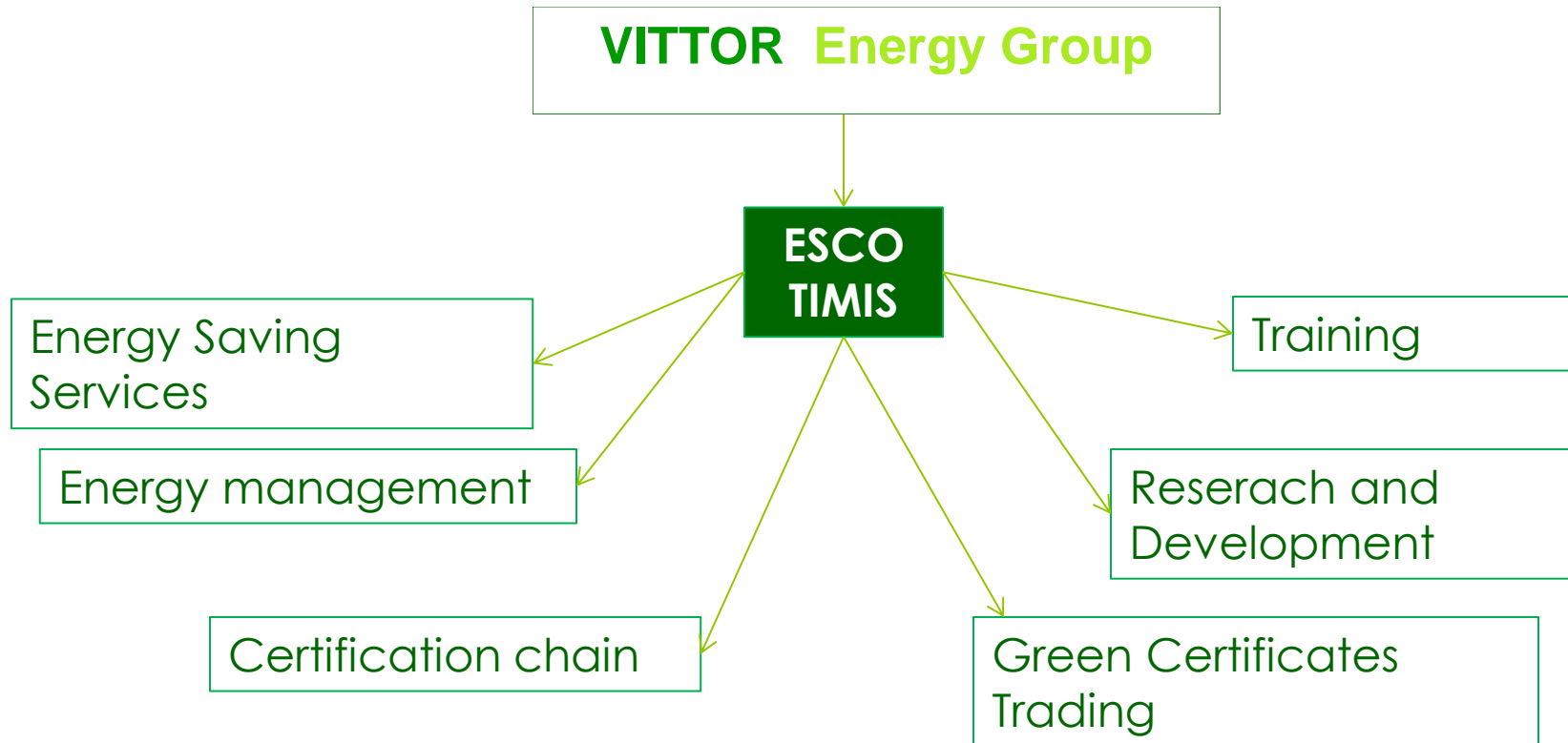
THREE OPPORTUNITY LEVEL FOR ENERGY EFFICIENCY:

- ❑ **SAVE:** adopting simple rules for management of lights, heat, and energy hungry devices; expected result– 15% of consumption savings = reduce costs
- ❑ **OPTIMIZE:** initiate structural as thermal coats, replacing light bulbs with new LED, new systems of heating and cooling and, for companies, energy saving plan that involve also machines and industrials equipment; expected result– 40% of consumption savings= optimize costs
- ❑ **MORE EFFICIENT:** incorporate an energy saving strategy with the adoption of production system of energy from renewable sources that provide electric energy for the selfconsumption; expected result– 55% consumption savings and e + 5% of assets value = opportunity



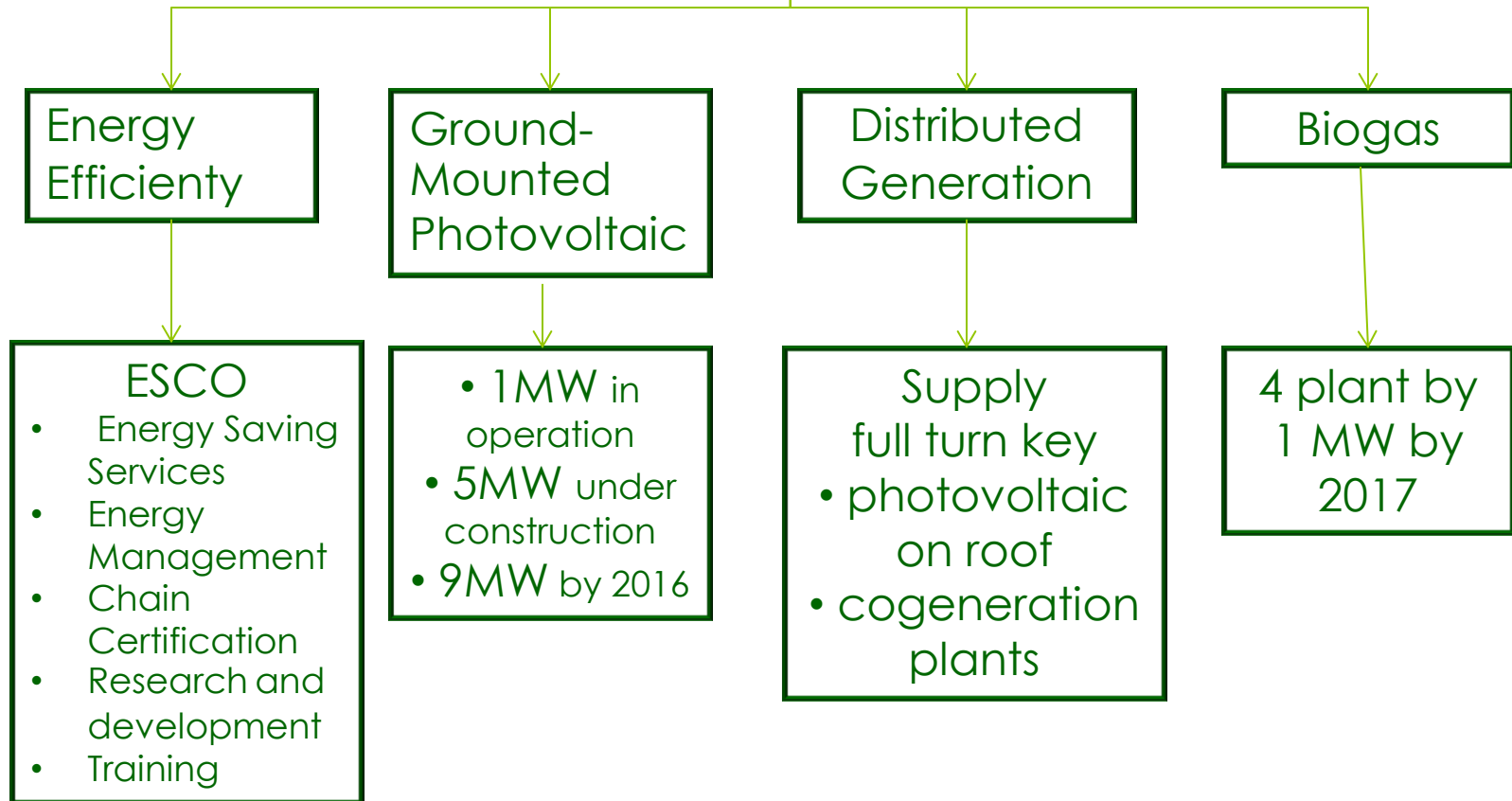
ESCO OPPORTUNITY

- ❑ THE ENERGY EFFICIENCY LAW FINALLY CREATES SPACE FOR THE BIRTH OF A NEW SUBJECT: ESCO
- ❑ THE ESCO ROLE IS ABSOLUTELY CRITICAL TO STIMULATE, CARRY OUT AND ACHIEVE THE ENERGY EFFICIENCY GOALS:



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AN IDEA TO SHARE

ENERGY FACTORY



CREATE ON TIMIS TERRITORY AN INTEGRATED AREA WHERE COMPANIES, PUBLIC AUTHORITIES, UNIVERSITY, RESEARCHERS, BANKS AND FINANCIAL SYSTEMS CAN SHARE, STIMULATE AND CREATE NEW ENTREPRENEURIAL REALITY.

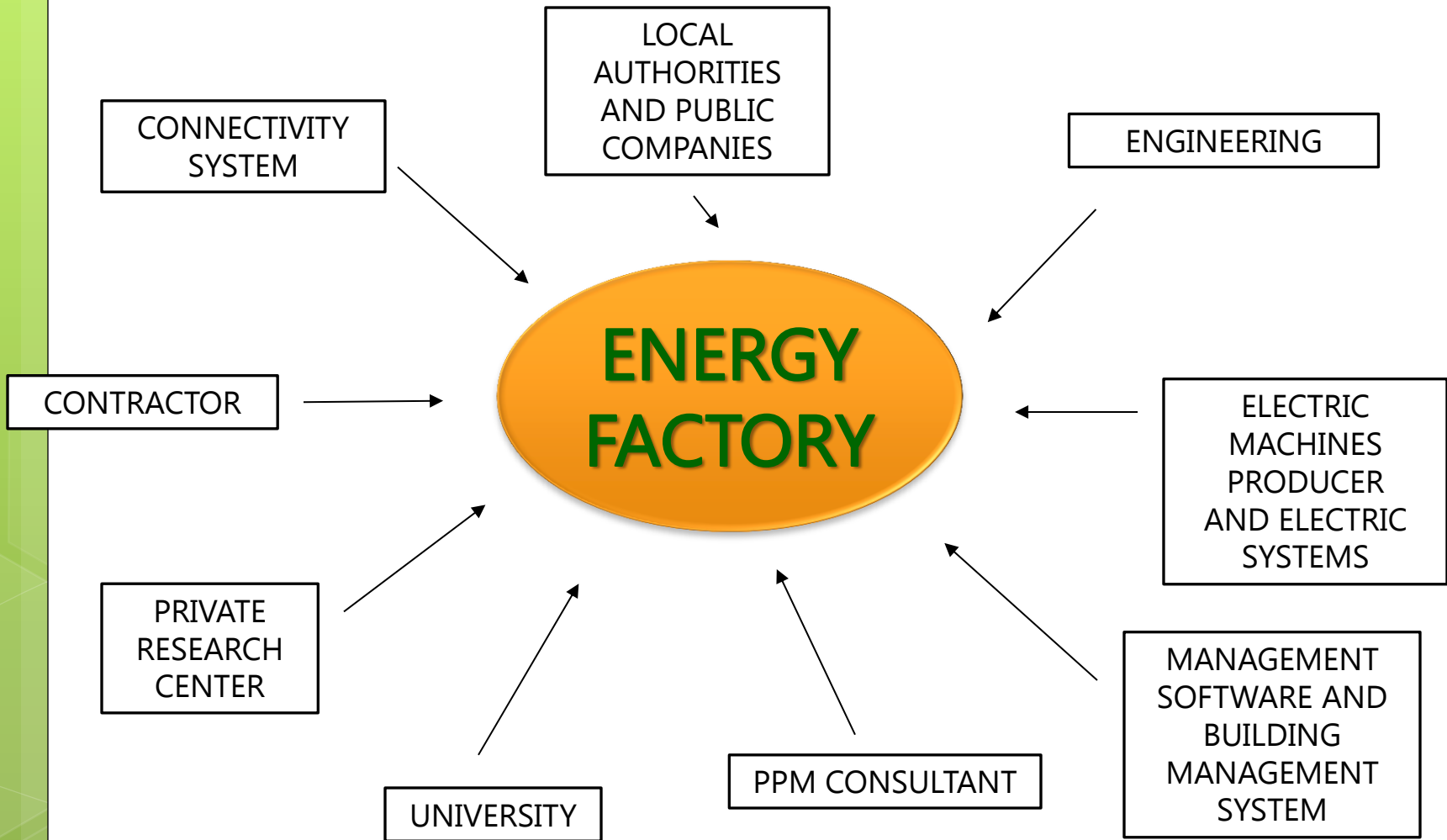
A BIG INDUSTRIAL AREA DEDICATED TO NEW COMPANIES , RESEARCH AND TO EXPERIMENTATION.

INNOVATION WORKSHOP DEDICATE TO ENERGY SAVING THAT INTEGRATE SKILLS IN DIFFERENTIATED AND NORMALLY NOT IN SYNERGY SECTORS.

A SUBJECT THAT MOTIVATES AND COOPERATES WITH R&D OF PARTNERS, ACTING AS IDEAS COLLECTOR.

A "TREND SETTER" INTO THE ENERGY SAVING APPLICATION

A MANAGEMENT MODEL BASED ON "SHOP" OF RENAISSANCE ARTISTS LOGICAL , WHERE INNOVATION AND ART WERE BORN ARTE THROUGH THE XCHANGE OF IDEAS AND SKILLS.



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**Thanks to all... A little reflection
from a very authoritative person for
awareness on energy efficiency**