

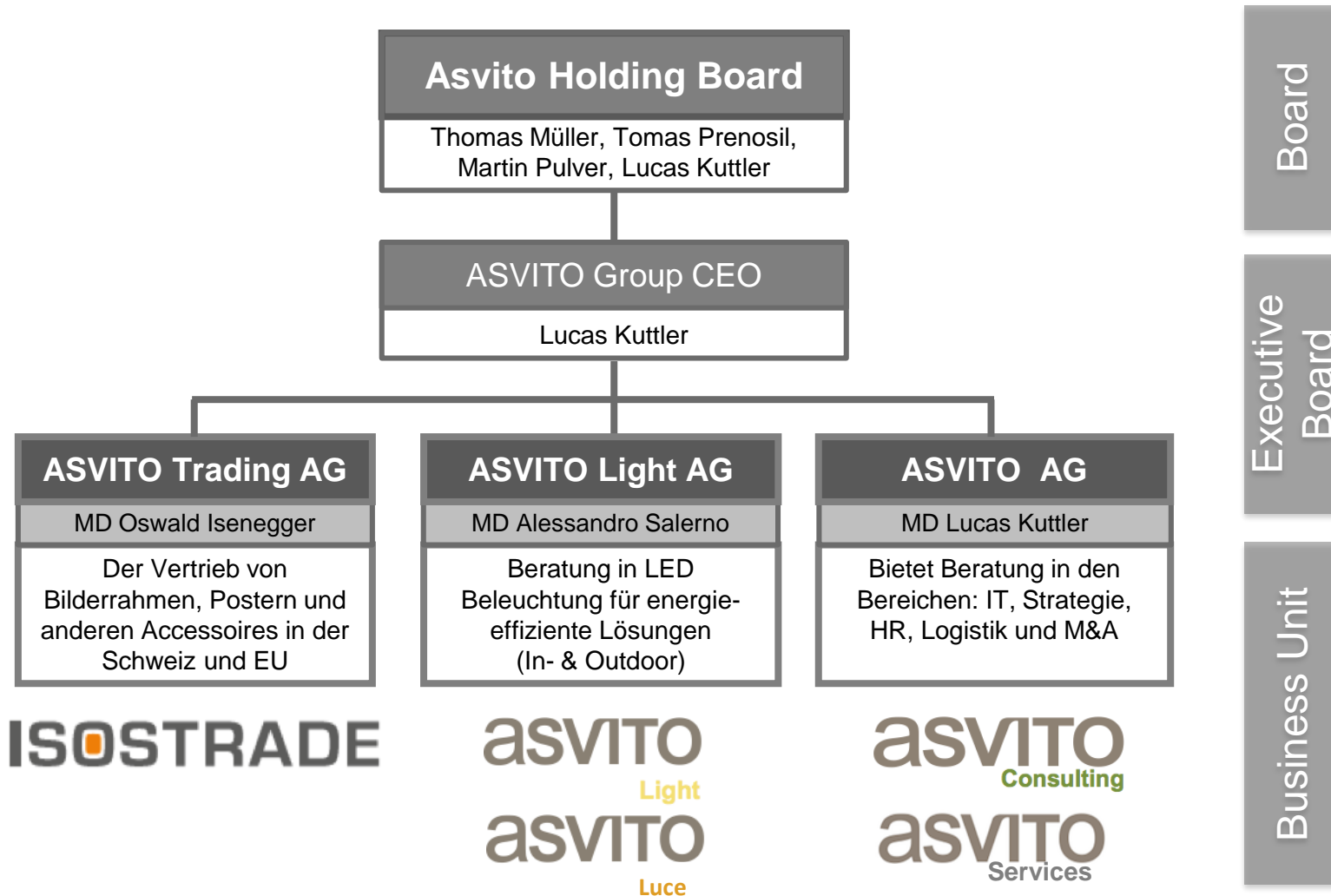
asvito

Light



ENERGY EFFICIENT LIGHTING

ORGANIZATIONAL STRUCTURE



ASVITO LIGHT: ABOUT US

Since 2011 we follow our goals:

- ✓ **Sustainability** through **innovative lighting options** for our customers
- ✓ **Quality** of our offers including calculations, productions, and financial solutions
- ✓ Enhanced **energy efficiency** of your construction with guaranteed ROI through energy savings

We calculate the possible energy savings of your project and develop a concept that implements these savings.

In cooperation with our partners, we guarantee the efficient and complete implementation of your project according to your wishes:



Innolumis

OUR PARTNER AURORA

Aurora Lighting: Innovative LED Products in the Indoor Lighting Area

Success Factors:

1. **Vertical integration** along the complete supply chain
2. **Strong partnership** with one of the global five LED Chip-Producers (LEXTAR)
3. **Expertise** and **highly Innovative** in all four elements of lighting
4. **Company in private ownership**
5. **Highly flexible company** with flat hierarchy structures



OUR PARTNER INNOLUMIS

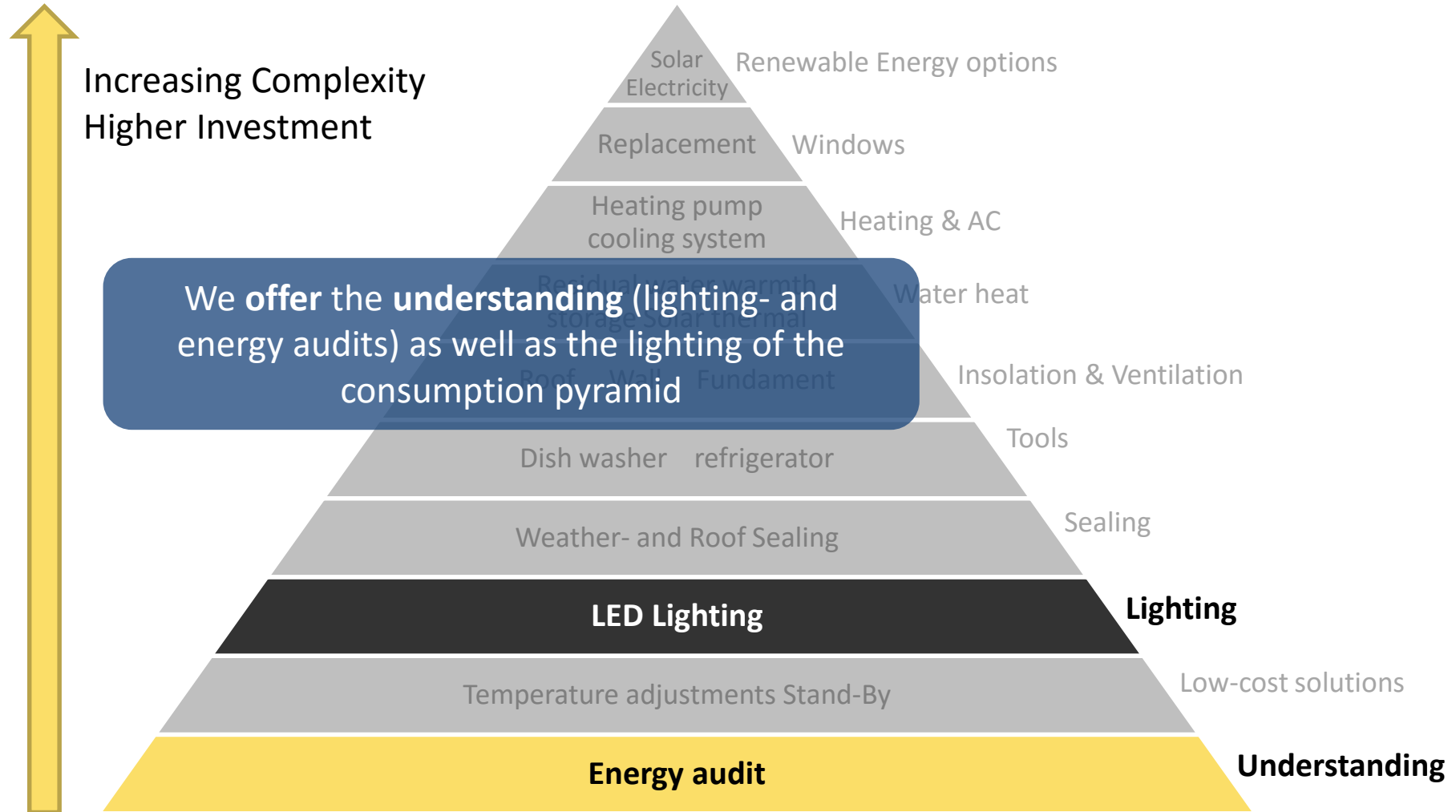
Innolumis: Sustainable streetlights through Innovation

Success Factor:

1. **Sustainability through innovation:** best visibility with low energy use
2. **Mesopic Light:** Adapted to the sensibility of the human eye
3. **RGB-Technique:** Use of clear LEDs for a long lifespan
4. **Long lifespan** through low junction temperature & innovative thermal management
5. **Dutch Company** with mainly local manufacturing

Innolumis

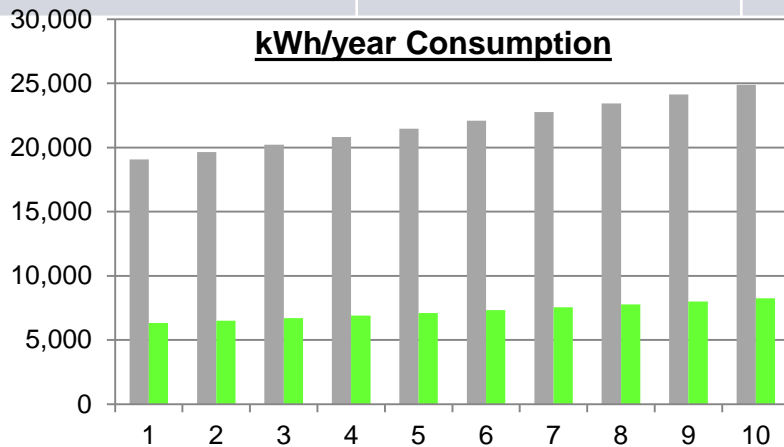
LED RETROFIT: COST-EFFICIENT SOLUTION FOR ENERGY SAVINGS



Source: Minnesota Power http://www.mnpower.com/powerofone/one_home/index.htm

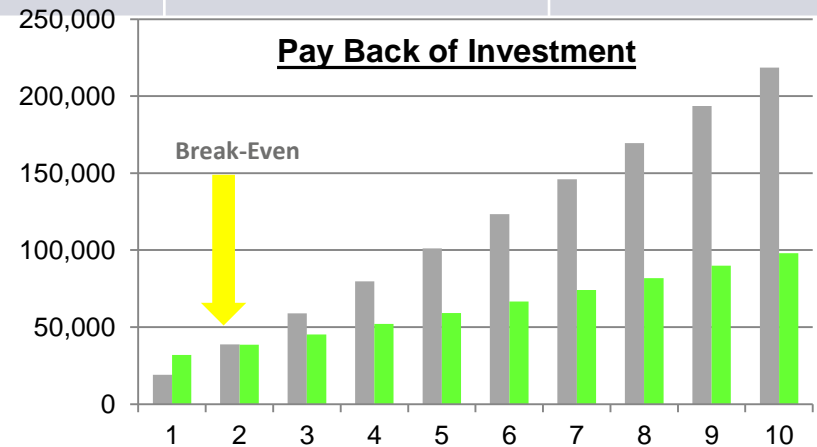
ENERGY EFFICIENT LIGHTING: CALCULATION

Building	Area/light point	Usage per year (hours/day)	Electricity costs EUR /kWh	Investment(EUR)
Residence	500m ² /91lp	4.000	0,18	1.284*








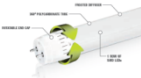






Energy Savings after Retrofit	
Consumption (kWh/year)	- 4.533
Installed load (kWp)	- 1.1
Electricity cost* (EUR/year)	- 935
Reduction of	- 57,60%

* Power usage, average over 10 years with 3% inflation



Accumulated savings EUR/10 years	9.354
Payback rate of Investment	73%
Payback duration of Investment	16,5 months

COMPARISON: TRADITIONAL V. LED LIGHTING

	Technology	LED	Energy Savings
Light Bulb		 	
Wattage	40W	5W	- 88%
Tube		 	
Wattage	66W	27W	- 60%
High Bay Lighting		 	
Wattage	400W	150W	- 62%
Luminaries		 	
Wattage	50W	6W	- 88%

OUR SERVICES: CORE COMPETENCIES

- **Lighting energy audit**
- **Project design and financial business planning**
- **Specific Project Offering**
- **Pilot project and detailed analysis**
- **Project planning**
- **Project implementation (new sites or retrofit of existing ones)**
- **Replacements, lifecycle management etc.**
- **Warranty**

Very high energy saving potentials at Bossard's productions sites through LED for:

Existing estates



New estates



POTENTIAL SAVINGS

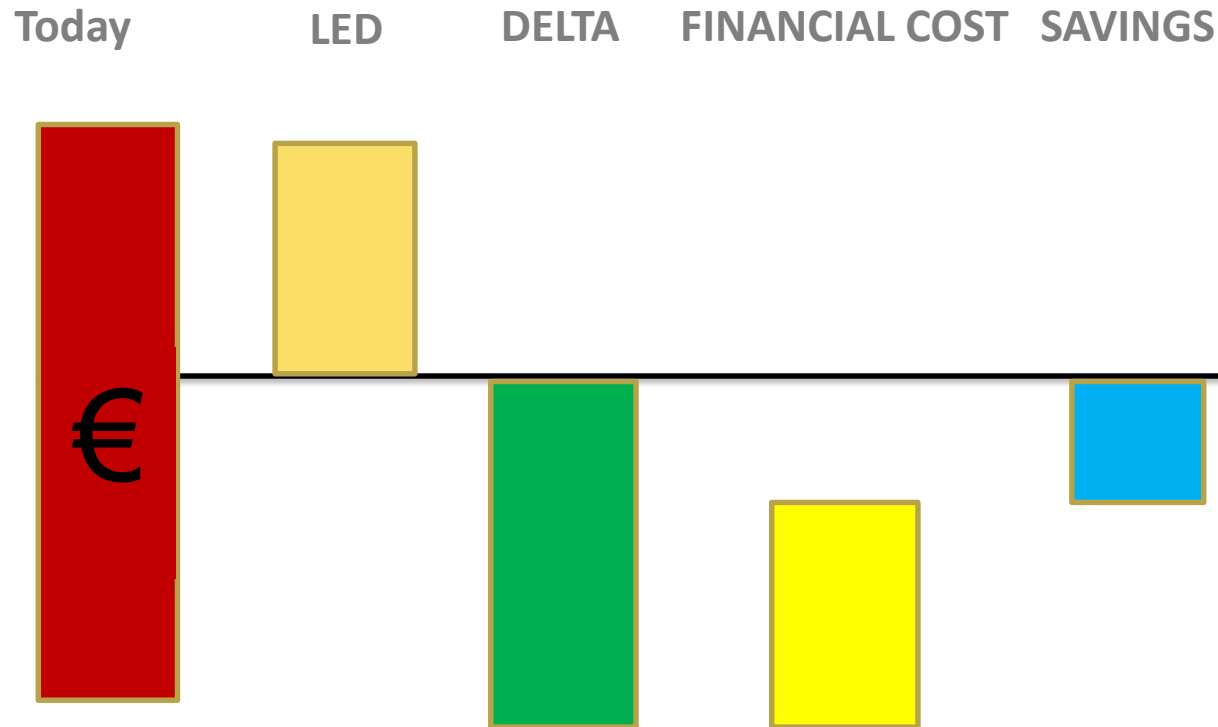


Due to factors such as aging of equipment or old technology installed, a great saving potential exists in any corporation. Potential savings can – amongst others – be implemented in:

- Lighting
- Heating and cooling
- Tri-generation / co-generation
- Engineering processes
- Efficiency through integration and smart technology

This potential generates great financial possibilities. Implementing any or all of these actions through innovative and advanced technologies already generates savings in energy costs. These savings can be used to cover the cost of technology improvement, resulting in a reduction in the actual bills.

FINANCIAL SOLUTION



- For high investment Projects (+1M€), Asvito has structured a partnership with a Swiss Fund whose investment strategy focuses exclusively on Energy Efficiency

OUR SHOWROOM



Visit us in our **Showroom an der Chollerstrasse 35 in Zug Switzerland** to
see and test our products.

We are happy to calculate the possible energy savings for your project!

EXCERPT OF OUR REFERENCES



SUMMARY

- ✓ Offer designed for your individual needs
- ✓ Complete project management, from planning over implementing to maintaining
- ✓ Innovation through energy saving
- ✓ Solidity of suppliers
- ✓ Financial solutions for higher investment efficiency
- ✓ Smartlighting

CONTACT

You want to enhance your energy efficiency and are looking for innovative solutions?
Contact us now to get more information about your possibilities and our offerings.



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