

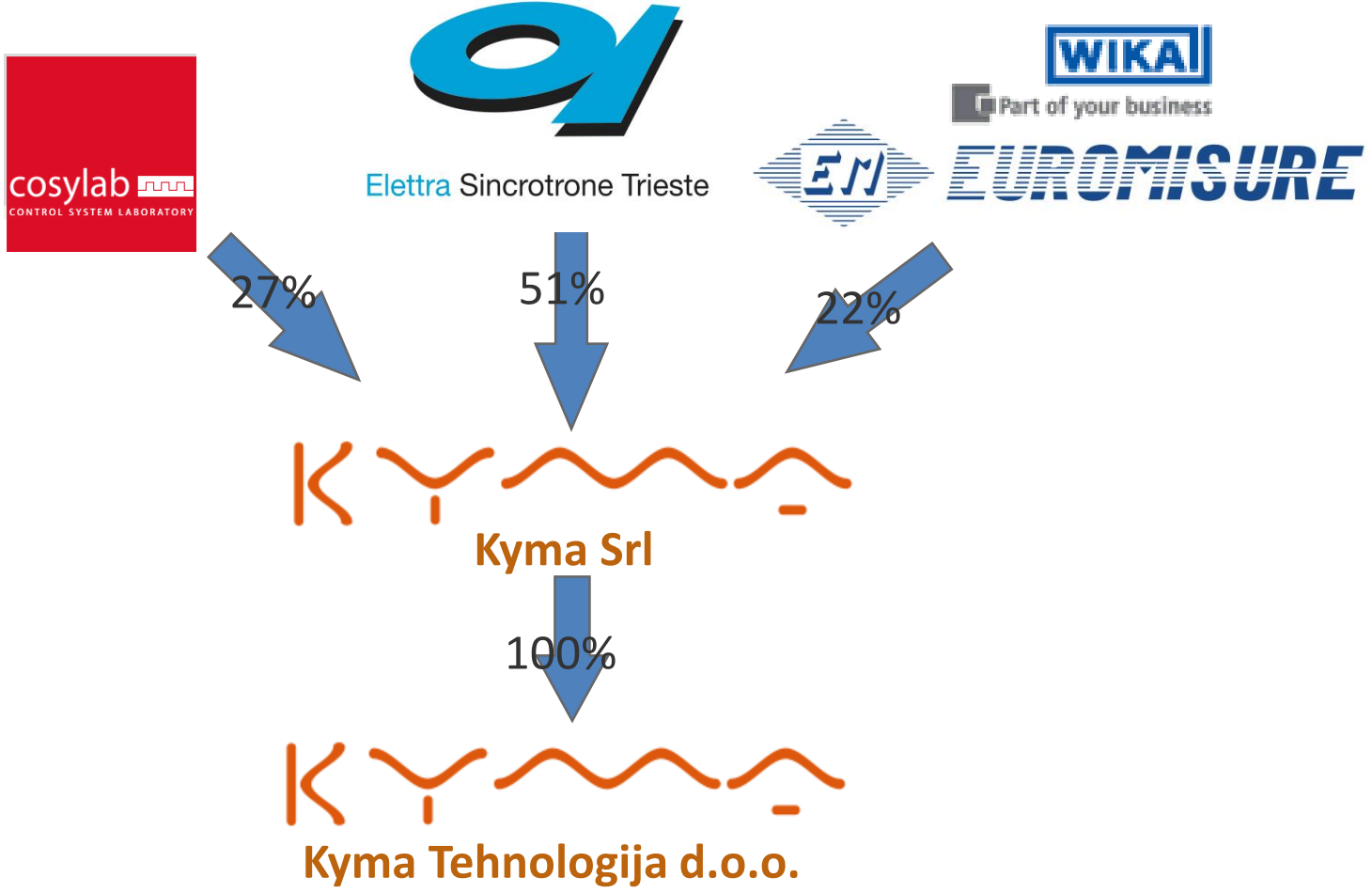


*... riding the wave*

## Presentation of Kyma

***Raffaella Geometrante***

# The company and the Partners



# Kyma ID summary table

ID type	Short name	# of units	Status
Laser Heater Undulators	LHU	1 1	Operation Commissioning
Linearly Polarizing Undulators	LPU	9	Operation
Elliptically Polarizing Undulators – Apple-II	EPU	24 1 3	Operation Commissioning Realization
Short-Period Linearly Polarizing Undulator	SP-LPU	1	Operation
In-Vacuum Undulator (with BASC)	IVU	1	Operation
In-Vacuum Hybrid Undulators (with RI)		2	Realization
Hybrid Wiggler	HW	1	Operation
Permanent Magnet Phase Shifters (30 @ Kyma / 30 @ BASC)	PMPS	60	Delivered
Variable-Phase Compact Undulators	CCU	2 2	Operation Realization

## Highest quality NdBFe permanent magnets

- Extensive range of available grades
- State of the art magnetic tolerances  $DBr < 1.0\%$ ,  $Da < 1.0^\circ$
- All quality control measurement provided to the customers
- Magnets for **in-vacuum** use
- Fast delivery time



# KYMA Contribution to WP7

## Global Integration with Research Infrastructures

Industrial perspective on:

- ❑ Technical **feasibility** of new upgrades
- ❑ New technologies **impact** into global industry
- ❑ **Cost estimation** and **expected budgets** for upgrades and/or development of components and their fabrication