

Kilometro Rosso Science and Technology Park



Corporate Presentation

@KMR: share to innovate and to compete

- Kilometro Rosso Science and Technology Park is **knowledge**, **innovation** and **high technology** district.
- Partners established within the Park share and promote the **Open Innovation** paradigm: to remain competitive in a global environment it's key to share research and innovation efforts.



@KMR: value added *community*

- KMR attracts innovative companies, start-ups, technological institutions and research centers offering a portfolio of **value added services**.
- KMR community facilitates **competence sharing** and **innovation processes**.



- KMR offers laboratories and office spaces with **flexible layouts** and **advanced technological solutions** to meet the most demanding individual needs.

@KMR: Partners' services

KMR offers directly and by leveraging the Partners' community a unique set of services:

- **Research and Development Services** (patents, consulting, technology transfer platforms, business partnering, etc.).
- **Networking** for new projects and ventures; shared research efforts.
- Training and **education**.
- **Incubation** and **acceleration**.
- **Promotion, marketing and communication** of Partners' activities.



Architecture as enabler

- KMR was developed on the intuition that an **architecturally appealing location** and **modern layouts** might facilitate the innovation processes.
- **Jean Nouvel, SOM** (Skidmore, Owings & Merrill), **Richard Maier** and other important architects worked to create KMR.



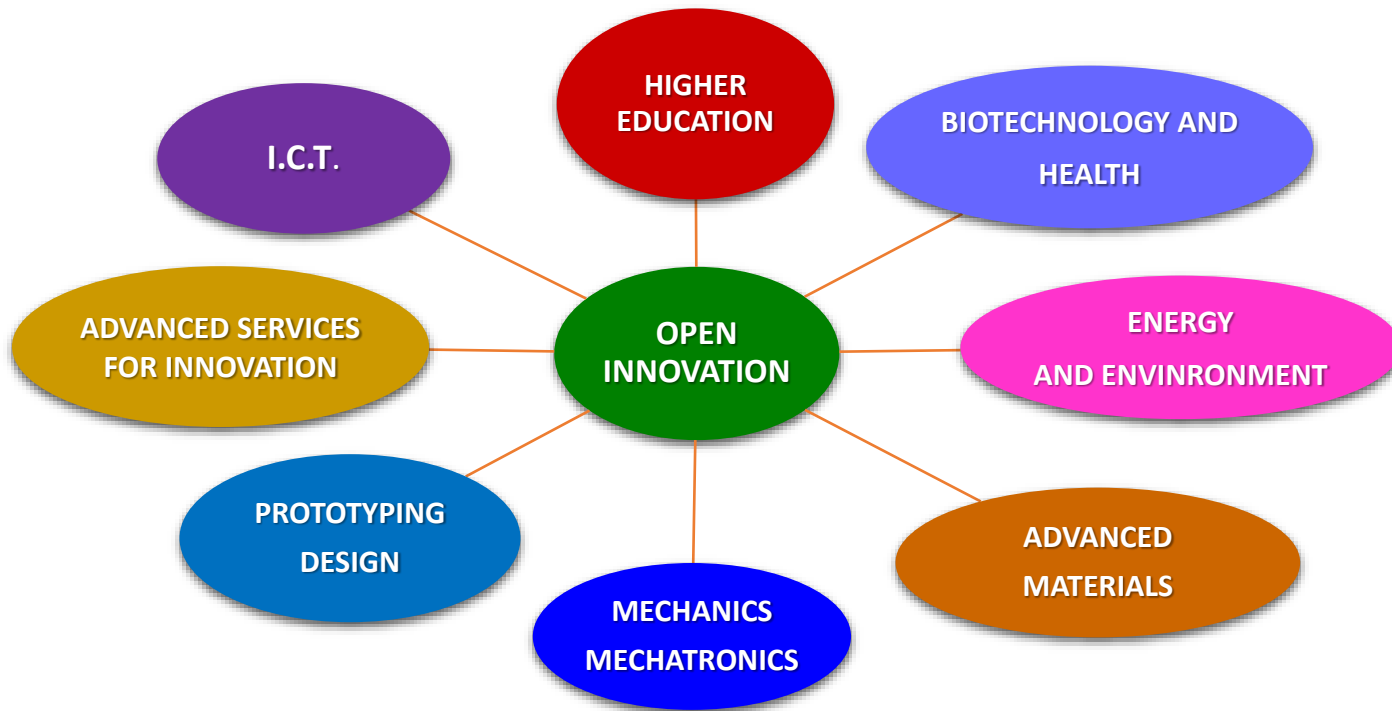
KMR today: a growing reality

- Active since 2003; 100% private
- 48 established Partners
- More than **1.500 researchers, technicians** and employees
- 50.000 hosted visitors
- More than 50 applications to national and international tenders
- 27 financed projects
- Host to more than 80 events every year
- Foreseen developments:
 - New Partner: Confindustria Bergamo (8.000mq)
 - New *multi-tenant* building A2/3 (7.500mq)



Hosted «Technology Clusters»

- KMR facilitates open innovation and cross fertilization processes promoting **multidisciplinary initiatives**.
- Established Partners and active innovation projects can be classified in **technology clusters**.



KMR Official Partners

brembo.

brembo SGL GROUP
CARBON CERAMIC BRAKES

PETROCERAMICS
Turn natural complexity into technology

kilometro rosso

ICA SOCIETÀ DI INGEGNERIA CHIMICA PER L'AMBIENTE

JACOBACCI PARTNERS

WEIGHTPACK packaging machinery

sodexo

CAIAZZA & PARTNERS INTERNATIONAL LAW - FIRM

gioca

MARIO WAY

innowatio

Co.Mark GRUPPO TECNOINVESTIMENTI

Dondi INGEGNERIA

ERRECUE

INTELIMECH CONSORZIO PER LA MECCATRONICA

multiconsult MARKETING DEL TERRITORIO

WARRANT GROUP

youtrade

F&M Consulenti d'Azienda

BERGAMO ENERGIA

BEPR1ME SEO e SOCIAL, semplicemente al meglio

kik.

rossoformazione

MindTek new technologies for your business

Fra.mar L'INDUSTRIA DEL PULITO

MORE SCREENS

Corporate Services VALUE MANAGEMENT

clevergy

UMANIA

UBI Banca Popolare di Bergamo

CONFINDUSTRIA BERGAMO

MN ISTITUTO DI RICERCHE FARMACOLOGICHE **MARIO NEGRI** IRCCS

A2/3
New Multi-tenant building

ENGIN SOFT

Consorzio TCN TECNOLOGIE PER IL CALCOLO NUMERICO CENTRO SUPERIORE DI FORMAZIONE

you save

IUS & LABOR STUDIO LEGALE ASSOCIATO TASSINARI E SISTINI

itema lab

iiland Italcementi Group

i:lab

Open Innovation @KMR: *Intellimech*

- Private consortium of 19 leading companies which promotes R&D in Mechatronics.
- Synthesis of:
 - Co-operation
 - Co-opetition.



Open Innovation @KMR: *Uni. BG + Ist. Mario Negri*

- Mechanical prototyping applied in the field of bioengineering



Stem cells
research

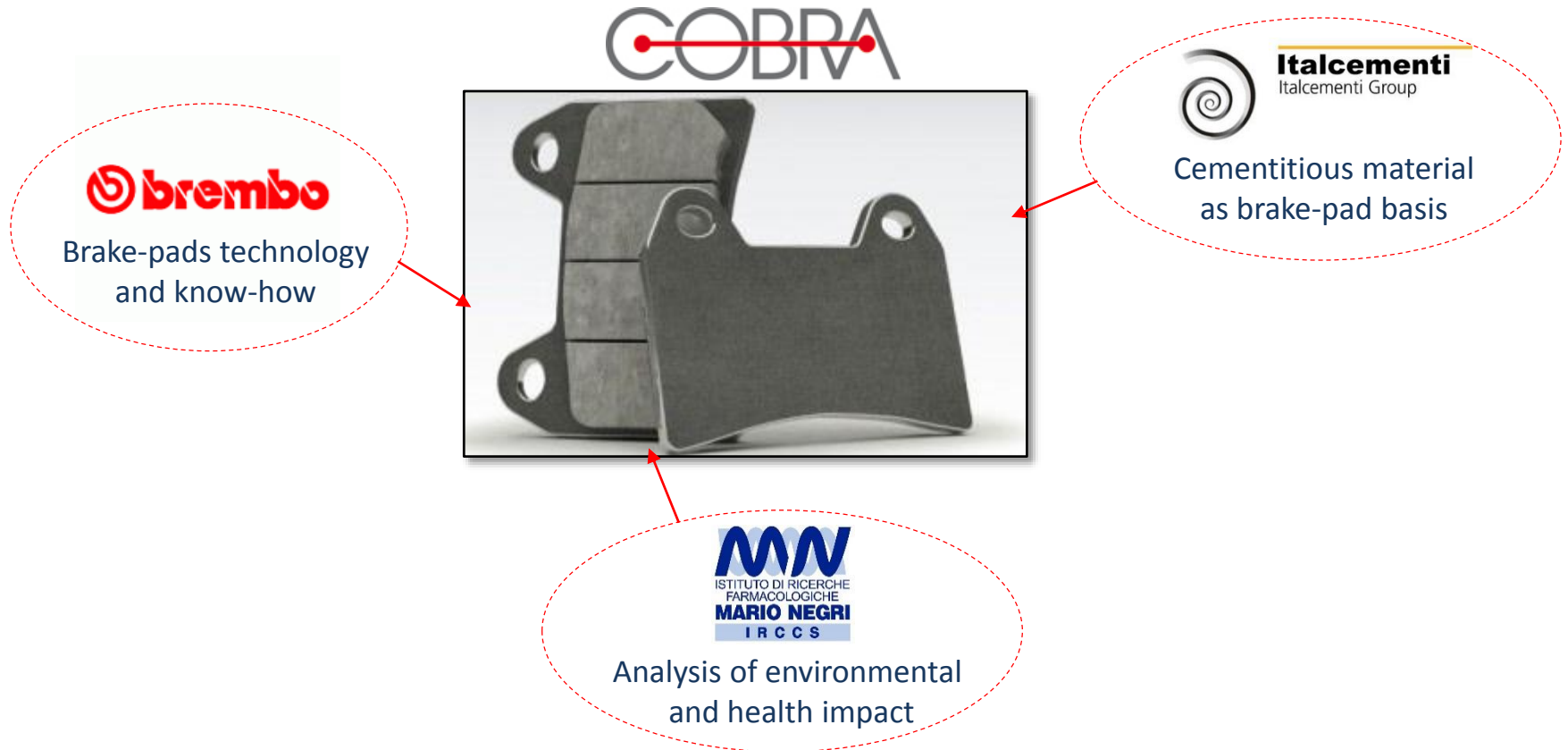


UNIVERSITÀ
DEGLI STUDI
DI BERGAMO

Prototypal device
for measuring
the mechanical performance
of endothelial cells crops

Open Innovation @KMR: *Progetto Cobra*

- Research project sponsored by the European Commission (LIFE) to develop a production technology for brake pads based on cement.



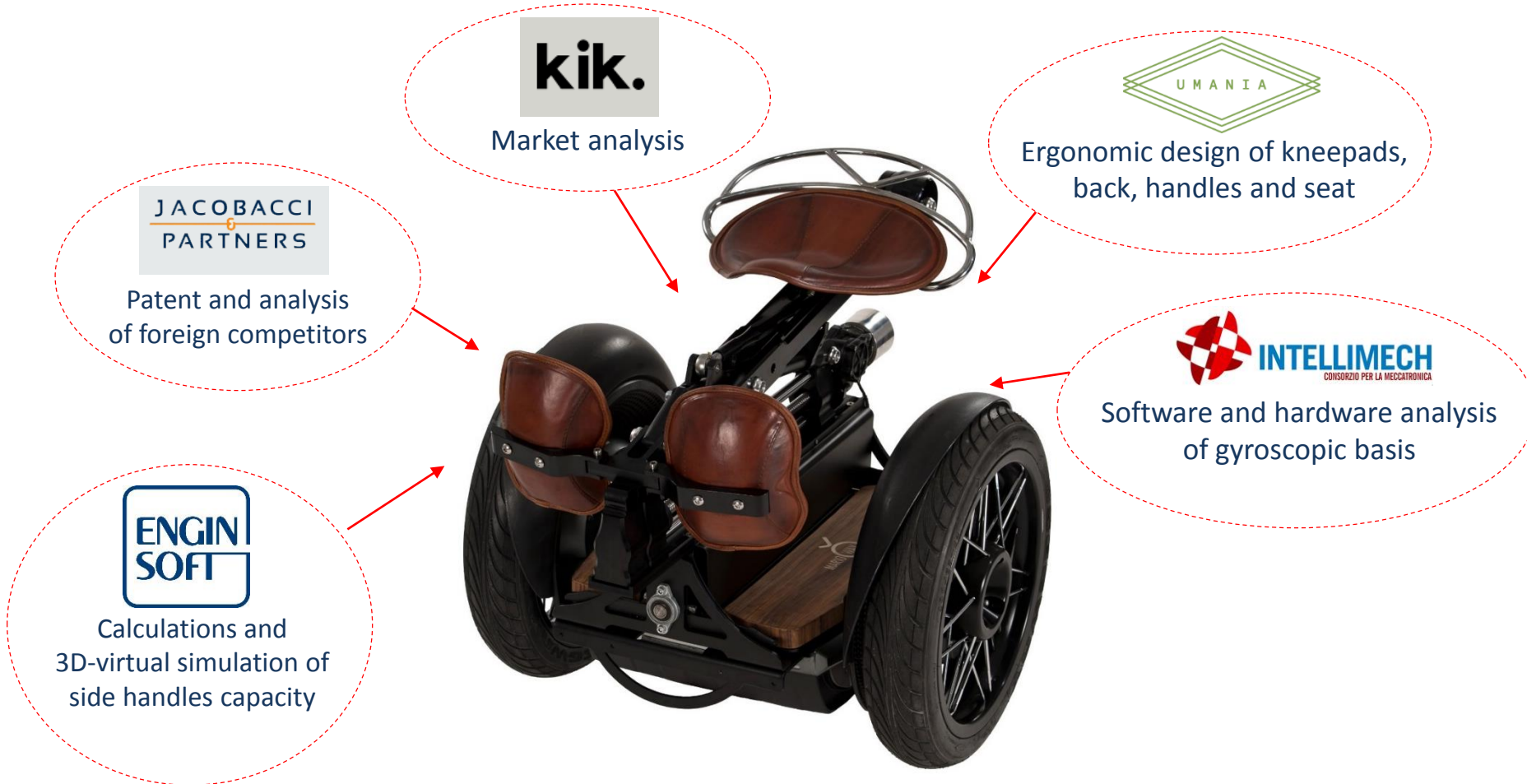
Open Innovation @KMR: *Mario Way*

- Ergonomic and self-balancing mobility device, designed primarily as an aid for people with limited mobility



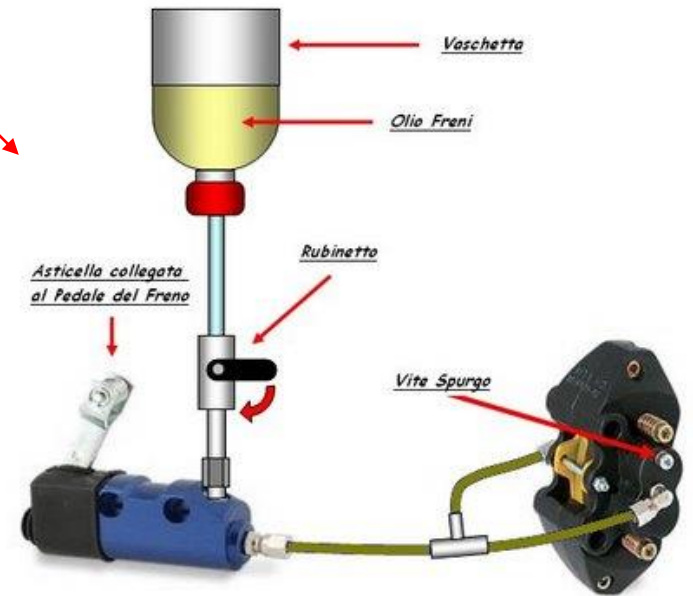
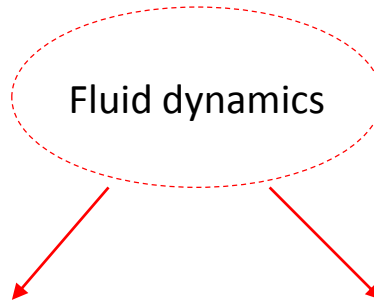
Open Innovation @KMR: *Mario Way*

- Partners involved and developed synergies



Open Innovation @KMR: *Ist. M. Negri + Brembo*

- Software applications for fluid dynamics simulations



Open Innovation @KMR: *Petroceramics*

- Spin-off of Milan University focused on research, development and high-level design in the production of materials, processes and equipment.
- Important collaborations with many partners of KMR








Advanced materials







Established Partners

HIGHER EDUCATION

	TYPE	FIELD	EMPLOYEES
	R&D Center	Post-graduate education for managers, Mechatronics & Bioengineering Labs	15
 <i>Tecnologie per il Calcolo Numerico</i>	Advance Training Center	Technologies for Numerical Computation	5
 ENGLISH LANGUAGE VILLAGE	Company Headquarter Training center for foreign languages	Higher education & Teaching	5
 rossoformazione <i>training of excellence</i>	Training center	Consultancy for workplace safety	5
 School of Management	SdM - School of Management	Post-graduate education and Consulting	10





PROTOTYPING, DESIGN

	Company branch – R&D Center	Virtual prototyping	35
 ERAEUE <i>SHAPING THE FUTURE</i>	Company branch – R&D Center	Rapid manufacturing and prototyping	5




■ *Employees in 2016*

■ *Employees within 2022*

BIOMEDICAL AND HEALTH

	TYPE	FIELD	EMPLOYEES
	R&D Center (41 Labs)	Pharmacology, Biotechnology, Bioengineering Molecular medicine	210
	Company Headquarter	Innovative medical device for people with walking impairments	10
	R&D Lab	Workplace healthcare	5
	R&D Lab "Human Factors and Technology in Healthcare"	Healthcare services	5




I.C.T.

	Company Headquarter	Website creation, SEO, Social Media Marketing	10
	Company Headquarter	Marketing software for sport	5
	Company Headquarter	Applications for mobile technology	10






 *Employees in 2016*

 *Employees within 2022*









NEW AND ADVANCED MATERIALS

	TYPE	FIELD	EMPLOYEES
	Company Headquarter R&D Center	Carbon-ceramic based products	120
	"i.lab" - Innovation Center of Italcementi Group	Chemistry- Physics Advanced materials	90
	Labs Company Headquarter	Advanced carbon-ceramic based materials	15

MECHANICS- MECHATRONICS











	R&D Center	Mechatronics – Sensors – Automotive mechanics	600
	R&D Lab Consortium of 19 different companies	Applied research in Mechatronics devices	10
	"Itema Lab" R&D Center	Advanced solutions for mechanic-textile	15
	Company Headquarter	Mechatronics – Automation – Robotics	5
	Company Headquarter	Packaging	5

 *Employees in 2016*
 *Employees within 2022*



ENERGY AND ENVIRONMENT	TYPE	FIELD	EMPLOYEES
	Company Headquarter	Natural gas and electric energy supply, energetic consulting	5
	Company Headquarter	Energy consumption optimization for domotics	10
	Training center	Sanification and cleaning	5
	Company Headquarter and R&D Center	Environment certification	5
	Company Headquarter	Energy Portfolio Management and consumption optimization	80
	Company Headquarter	Maintenance, design, construction and commissioning of power plants	30
	Company Headquarter	ESCo – Energy Service Company, energy saving management	20
	Company Headquarter	Energy trading	15

 Employees in 2016


 Employees within 2022

ADVANCED SERVICES TO INNOVATION	TYPE	FIELD	EMPLOYEES
	International law firm	International negotiation, Legal advice and assistance	5
	Company Headquarter	Temporary Management- Internationalisation and marketing for SMEs	40
	Company Headquarter	Management consulting	5
	Company Headquarter	Business consultancy, Corporate finance	5
	Law firm	Labor law Legal advice and assistance	10
	R&D Center	Patents Intellectual Property Technology Transfer	10
	Company Headquarter and R&D Center	Project Management, Change Management	10
	Company Headquarter	Open Innovation Technology Transfer	10
	R&D Center	Financial services for innovative companies	20
	Study center & technical advice	Corporate finance for R&D	10


 *Employees in 2016*  *Employees within 2022*

<u>TECHNICAL /LOGISTIC SERVICES</u>	TYPE	FIELD	EMPLOYEES
	Restaurant	Catering	5
	Company branch	Events	5

Incoming new Partners within 2017

	Brand new Headquarter Confindustria Bergamo	Advanced Services to Innovation (organisational and technological innovation, finance, legal and tax, internationalisation, marketing, education, relations with public bodies and institutions, universities, ...)	100
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Incoming new Partners within 2022

	New R&D Centers, Companies and Labs (advanced negotiations)	I.C.T., Electronics and TLC, Industrial Automation and Robotics, Engineering, Financial Services and Consulting, Industrial Design, ...	1.500
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Total No. 3.100

 Employees in 2016

 Employees within 2022