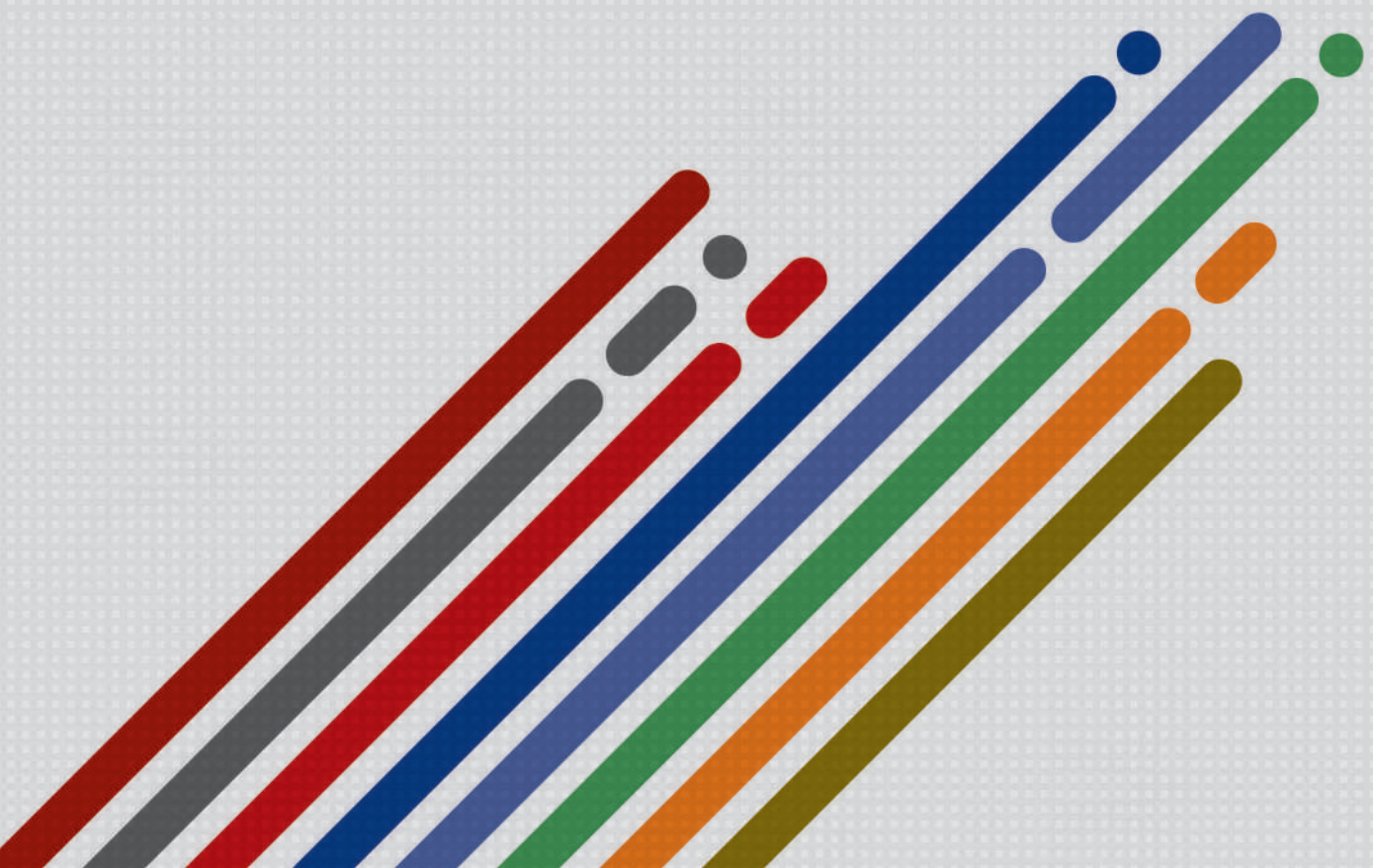




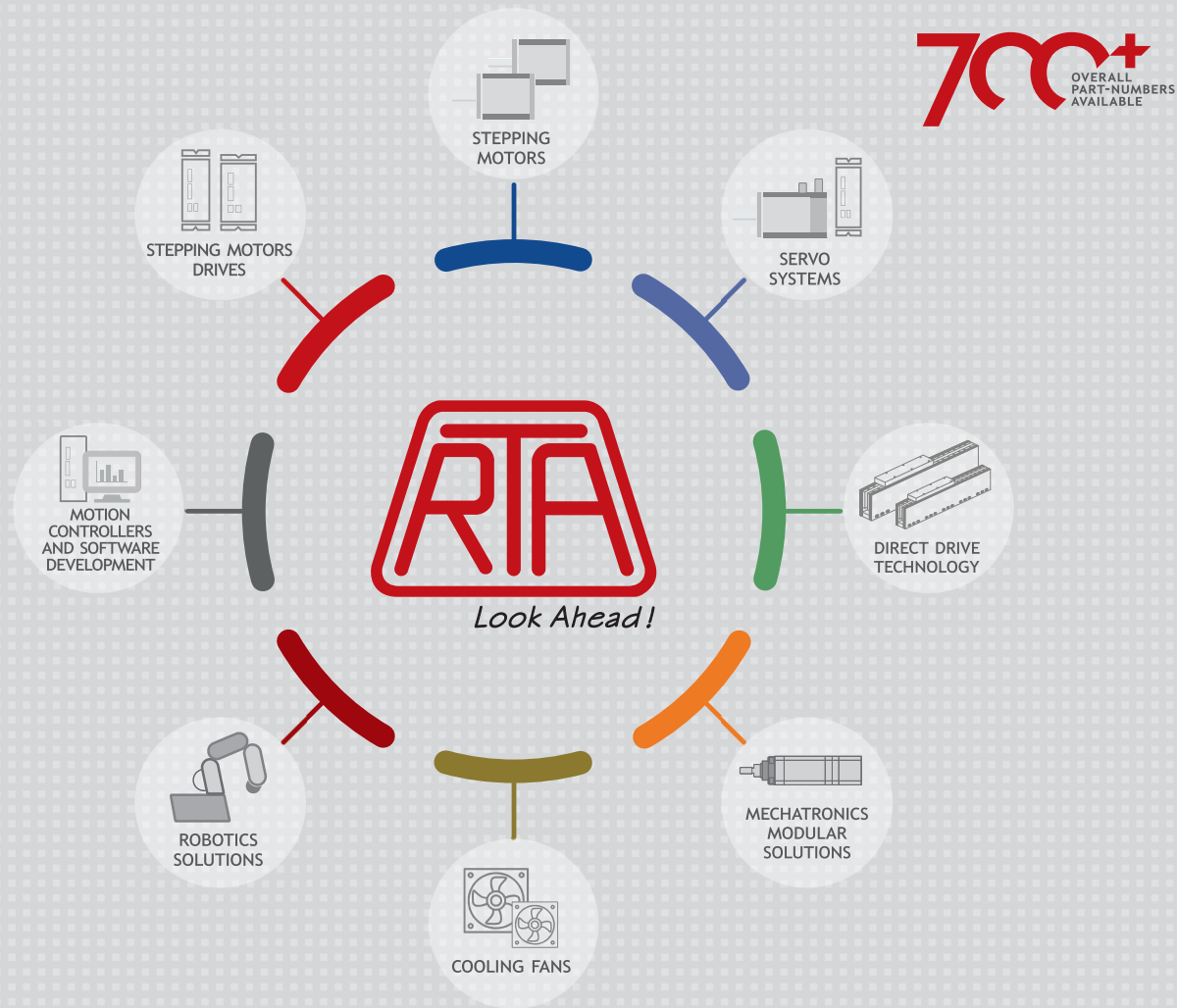
COMPANY PROFILE



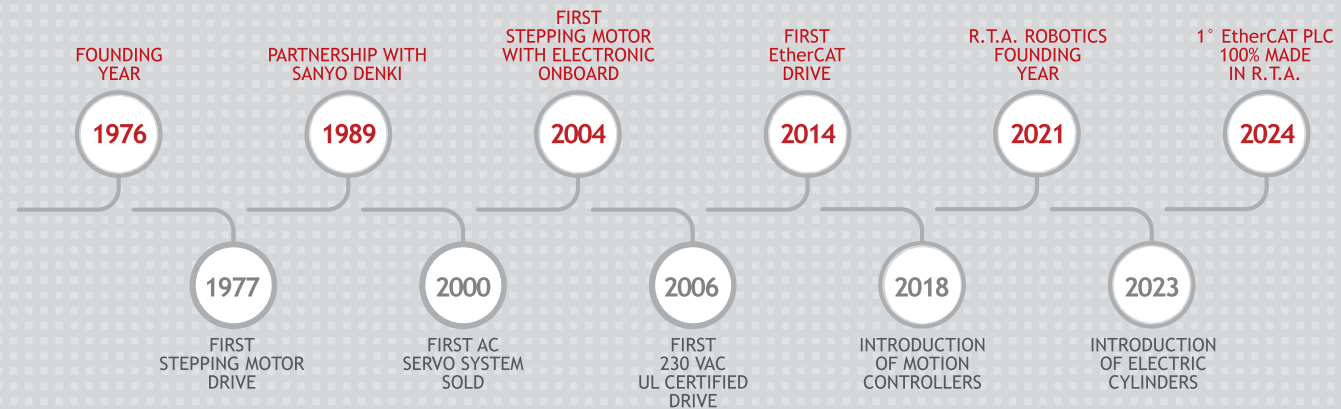
R.T.A. GROUP TODAY

Founded in 1976 in Pavia (Italy), today R.T.A. is a leading player in the Industrial Automation industry, with a core excellence in the design and production of stepping motor drives, supported by highly specialized technical expertise in all motion technologies.

Over the last decade, through technical innovation and strategic partnerships, R.T.A. has diversified its product portfolio to meet evolving market trends and today the company offers a Complete Integrated Automation Solution, addressed to OEMs and manufacturers in the most diverse industrial sectors.



MILESTONES IN R.T.A. TECHNOLOGICAL EVOLUTION

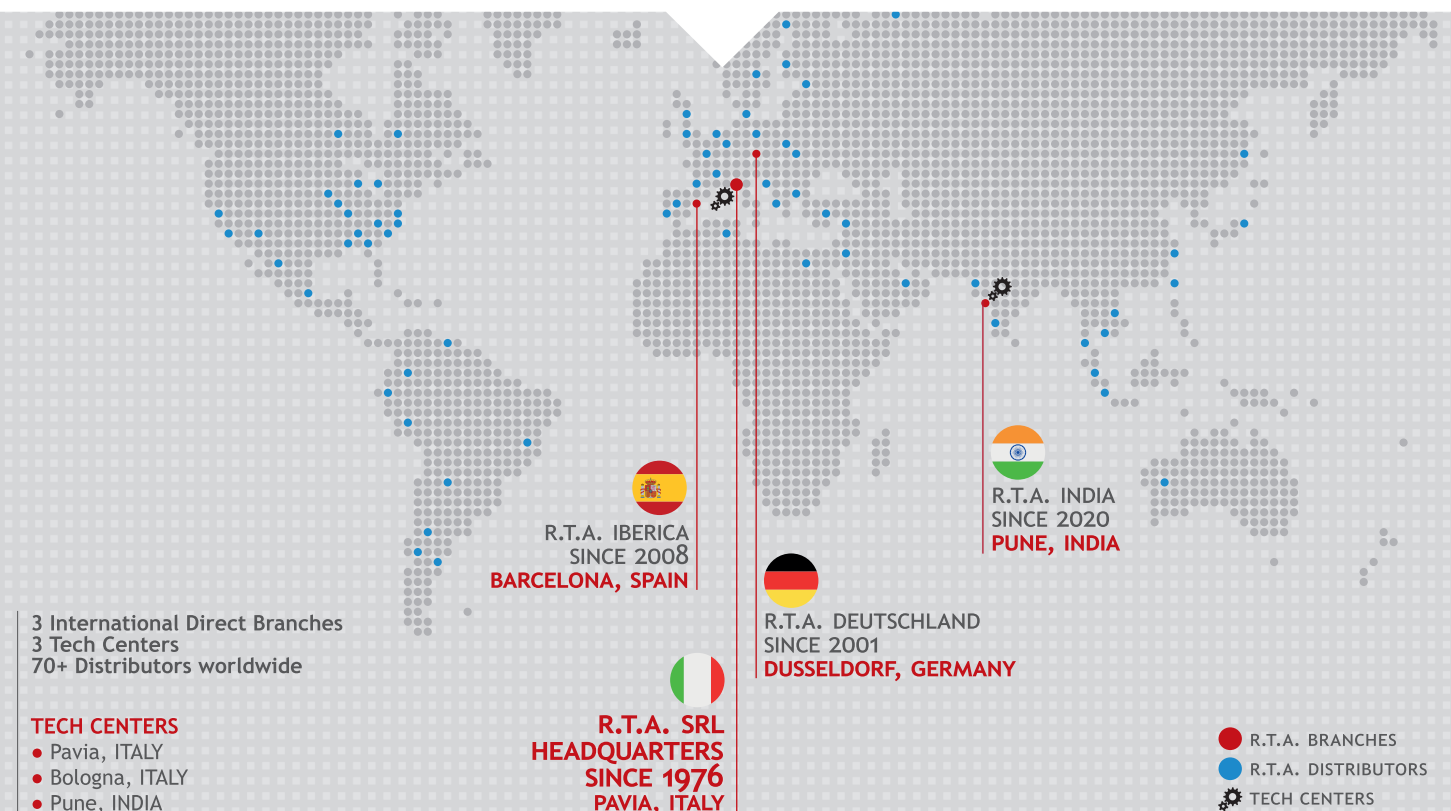


A GOOD PLACE TO BE



A modern, bright and spacious site surrounded by a 10.000 smq garden.

ITALIAN ROOTS, GLOBAL PRESENCE



EDUCATIONAL PARTNERHIPS

UNIVERSITÀ DI PAVIA
Technical consulting and partnership on automation and robotics applications.

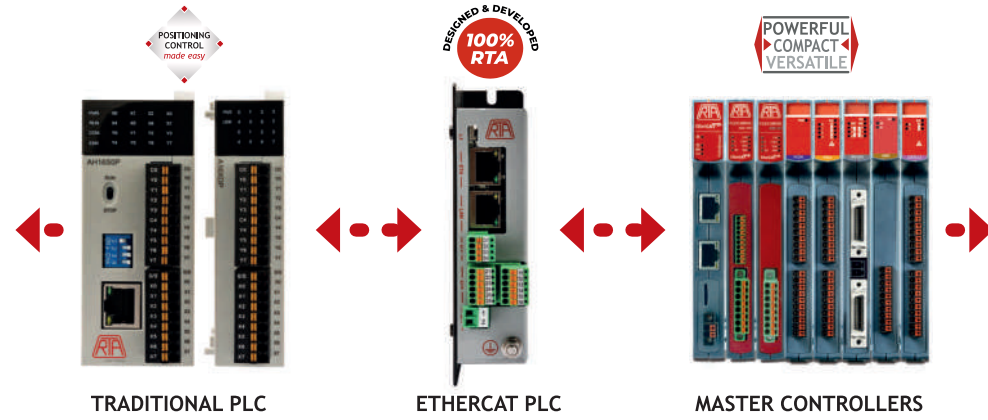
I.T.S. LOMBARDIA meccatronica
Internships, trainings and career opportunities for students in technical disciplines.

SIAM 1838
Sponsorship of the High School's students "Robotics Club"

Humilitas COLLEGIO SAN CARLO
Sponsorship of the High School's students "Robotics Club"



DIFFERENT SOLUTIONS FROM SIMPLE POINT-TO-POINT TO COMPLEX INTERPOLATION APPLICATIONS



- Motion controllers, EtherCAT PLC, traditional PLC
- Control of up to 128 axes
- Analog and digital I/Os
- Maximum flexibility for scalable architectures
- Dedicated Team of Engineers for Software Development

WINDOWS-BASED PROGRAMMING INTERFACE

CUSTOMIZED PROJECTS

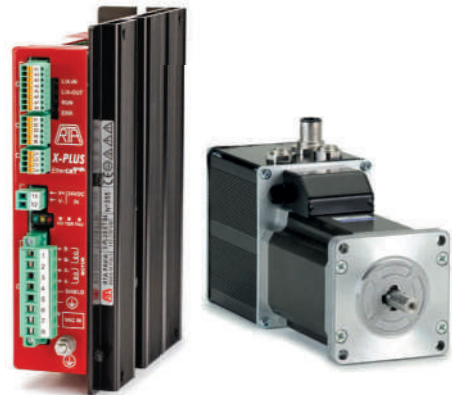
REMOTE MONITORING THROUGH VPN



STEPPING SYSTEMS



STEPPING DRIVES & COMBO-UNITS | 100+ MODELS



- Voltage Range: from 24VDC to 230VAC
- Stand-alone, modular, combo units
- Switching power supplies available for all models



SERVO DRIVES | 20+ MODELS



- Voltage Range: from 48VDC to 400VAC
- Advanced Safety Functions available: STO, SS1, SS2, SOS, SLS, SBC, SSM
- Double Encoder inputs
- Up to 23 bit encoder resolution



REAL-TIME AUTOTUNING FUNCTION

INTUITIVE GRAPHIC INTERFACE FOR I/O SETTING

ADVANCED JOGGING FOR MECHANICS TESTING

STEPPING MOTORS | 200+ MODELS



- Flange size: from Nema 11 to Nema 42
- Holding Torque: from 0,65Ncm to 24.600Ncm
- 3 Encoder options: 400 cpr, 4000 cpr, index
- Connector type or lead wire



SERVO MOTORS | 40+ MODELS



- Battery-Less Absolute Encoder and Incremental Encoder
- Nominal Power: from 50W to 15000W
- Nominal Torque: from 0,159 Nm to 96 Nm



ACCESSORIES



- FRONT ELECTROMAGNETIC BRAKES**
Size: Nema 17, Nema 23, Nema 24, Nema 34
- PLANETARY GEARBOXES**
Body size: from 40 mm to 120 mm

ACCESSORIES

FLEXIBLE AND FIXED CHAIN CABLES
DESIGNED, PRODUCED AND 100% TESTED BY R.T.A.



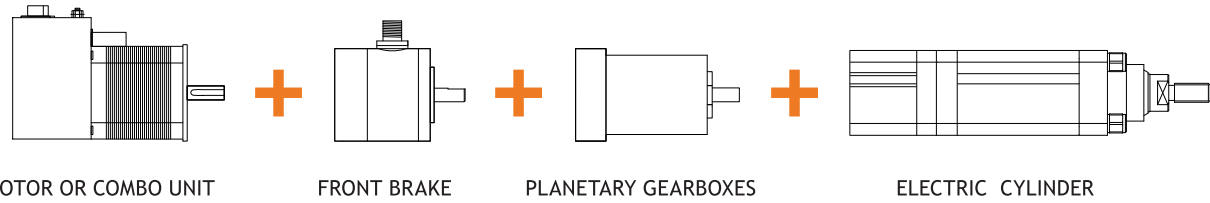
FULL LINE-UP OF CABLES

- Motor Power
- I/O
- Brake
- Encoder
- Safety
- PLANETARY GEARBOXES**
Body size: from 40 mm to 120 mm

MECHATRONIC MODULAR SOLUTION



- Full compatibility with R.T.A. motors from flange Nema 17 to Nema 34
- Professional assembling and testing service



PLANETARY GEARBOXES | 30+ MODELS

FOR STEPPING AND SERVO MOTORS



- Body size: from 40 mm to 120 mm
- « i » from 3 to 25 + custom ratios

PLUG & GO!
CUSTOM RATIOS AVAILABLE
LOW BACKLASH VERSIONS
IP64
IN STOCK

Professional assembling and testing
Quality test on every product

ELECTRIC CYLINDERS

FOR STEPPING AND SERVO MOTORS



PARALLEL MOUNTING



IN-LINE MOUNTING

- Multiple sizes according to ISO (32, 40, 50, 63, 80, 100, 125)
- Axial Force from 2100 N to 123400 N
- Screw Types: Lead screw, Ball screw, Roller screw
- Antirotation device available

COOLING FANS | 5000+ MODELS AVAILABLE



LONG-LIFE | SPLASH & OIL-PROOF
COUNTER ROTATING | CENTRIFUGAL
REVERSIBLE | G-PROOF

- 3 Families: AC, DC and ACDC
- Voltage range: from 5VDC to 48 VDC
- IP 68 versions for excellent water and dust protection

36 mm
40 mm
60 mm
80 mm
92 mm
120 mm
172 mm

Frame Size

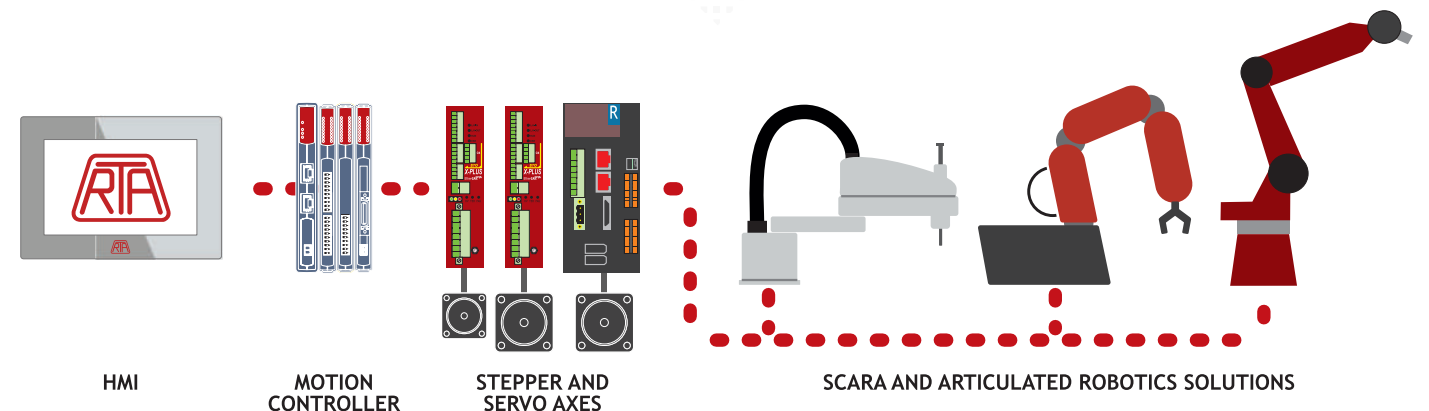
ROBOTICS AND MOTION COME TOGETHER



As a natural evolution of its recognized positioning on the market, in 2021 R.T.A. launched R.T.A. Robotics. It is an innovative start-up, focused on the robotic market with a comprehensive portfolio of SCARA and articulated robotic solutions.

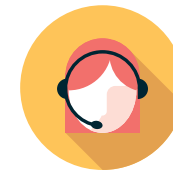
R.T.A. TRUE ADDED VALUE IS THE ABILITY TO INTEGRATE THE MOST COMPLEX MOTION ARCHITECTURES WITH ROBOTICS SOLUTIONS, DRAWING FROM A ROBUST EXPERIENCE IN HARDWARE AND A SOLID KNOW-HOW IN SOFTWARE ENGINEERING.

R.T.A. ARCHITECTURE



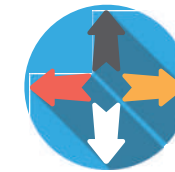
R.T.A. GROUP WINNING FACTORS

COMPLETE AUTOMATION SOLUTION
Designed, sized and developed by R.T.A.



TECHNICAL SUPPORT
Pre- and post-sales direct assistance by a dedicated team of engineers

EXTREMELY WIDE CHOICE OF DRIVE-MOTOR COUPLINGS
1000+ combinations



Customized **SOFTWARE DEVELOPMENT** projects

WIDE PRODUCT RANGE:
700+ part-numbers available overall



MADE IN ITALY
High-quality, short and controlled supply chain

ITALY

Corporate Headquarters

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www.rta.it

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T +39.051.780141 | rtabo@rta.it

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GERMANY

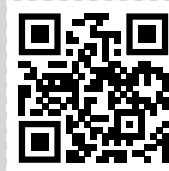
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www.rta-india.in



**CATALOGUE
DIGITAL EDITION**



Look Ahead!

TOWARDS AN IMPACT-ZERO FUTURE

In 2022 R.T.A. has “adopted” a 7-hectares wood that was meant to be cut down nearby the company Headquarters, taking care of the well-being and the conservation of the trees, in the full respect of their natural life cycle. A simple action to contribute to CO2 emissions absorption and to take care of the precious local environment.

