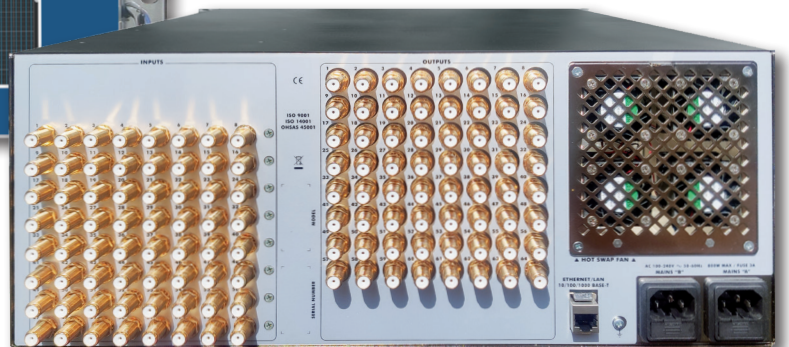
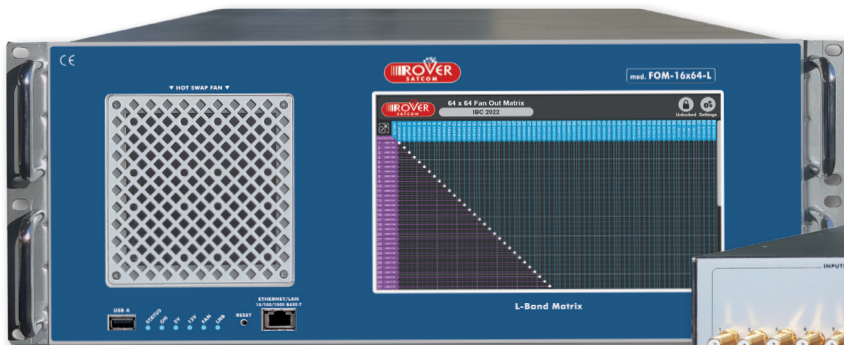




EXTENDED L-BAND FAN OUT MATRIX

RF BAND: 850-2350 MHz • Cost-effective System

FAN OUT MATRIX Inputs N. Outputs N. Inputs N. Outputs N.
Mod. FOM-8 x 64 to 64 x 64



- COMPACT: UP TO 64 INPUTS & 64 OUTPUTS IN 4U RACK
- LOCAL CONTROL VIA 10" CAPACITIVE TOUCH DISPLAY
 - HIGH RF PERFORMANCE • LNB POWERING (opt.)
- IN-OUT RF POWER SENSING • AGC OR MGC GAIN CONTROL
- BY1 OR BY4 CROSS POINT SETTINGS • WINDOWS PC BOARD
- REMOTE CONTROL AND MONITORING: WEB GUI & SNMP
 - REDUNDANT PSU & EASILY REPLACEABLE FAN
 - INTUITIVE AND FAST USER'S INTERFACE

**INNOVATIVE
PERFORMANCE**

for: SYSTEM INTEGRATOR,
TELEPORT BROADCASTER,
CABLE NETWORK, GOVERNMENT
& MILITARY COMMUNICATIONS

VEMA
technology

 1972 > 2025 >>

MORE THAN 53 YEARS OF TECHNOLOGY INNOVATION

The Fan Out Configurable Matrix FOM-XXxXX Chassis allow to compose multiple switching Combination by using the same platform.

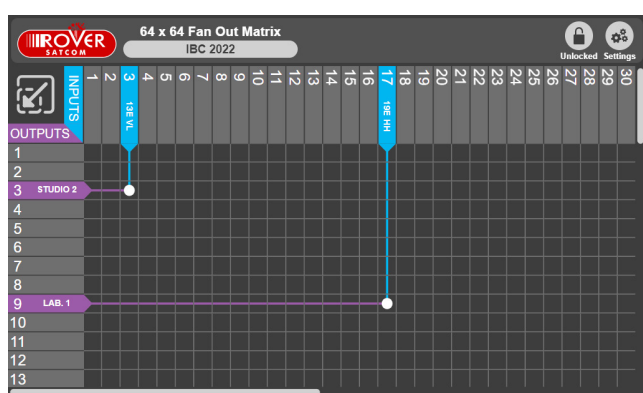
All configurations include the Input Control Modules to set the Automatic or Manual Gain and the Optional LNBs powering.

Thanks to the Input and Output control Modules with Power Sensing the FOM MATRIX will adjust and measure the RF Power on all Input and Output Ports.

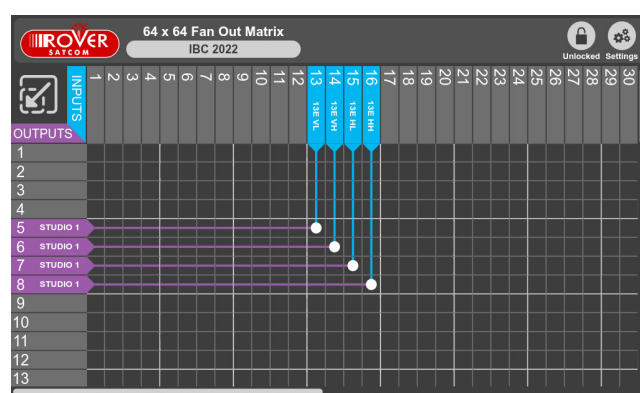
The redundant intelligent PSU ensures continuous Quality of Service and the two receptacles can be powered by two different Power Lines. An advanced monitoring system provides all measurements and alarms locally or remotely via WEB, SNMP & Dry Contacts.

Ideal for Professional use, like Redundancy & Distribution, these are currently the best value for money.

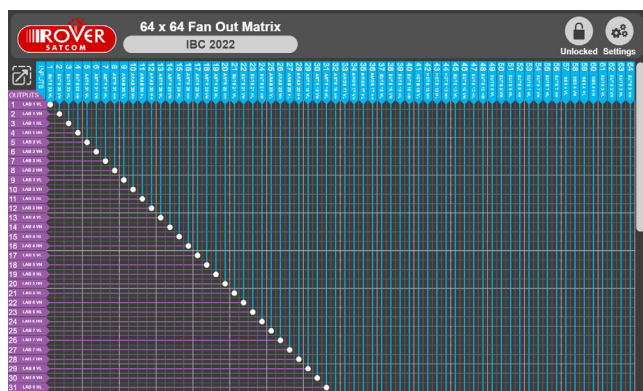
USER'S INTERFACE EXAMPLES



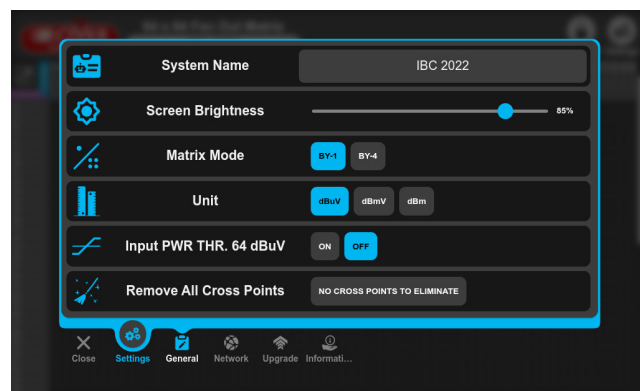
By-1 cross points settings



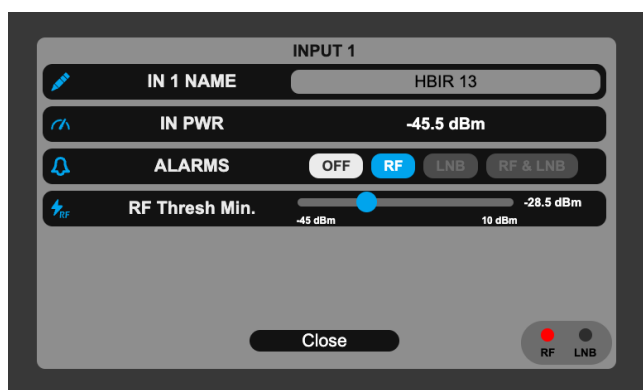
By-4 cross points settings



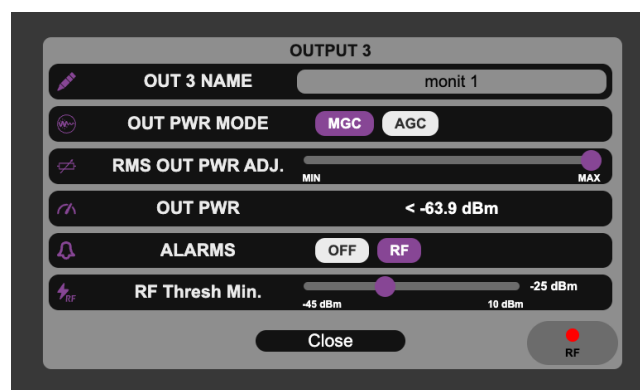
64 cross points display



General Settings

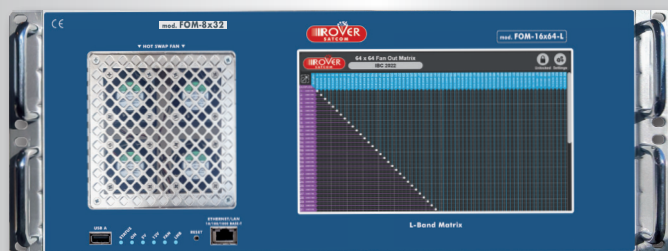


Input setup, Power meas. & Threshold



Output setup, Power meas. & Threshold

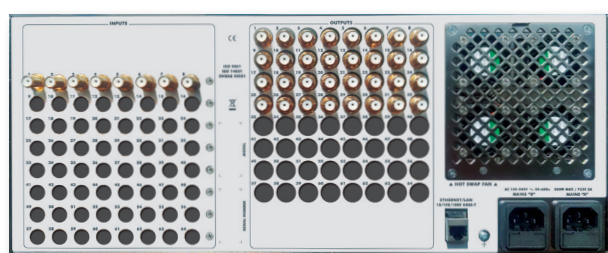
MOD. FOM X x X - Front



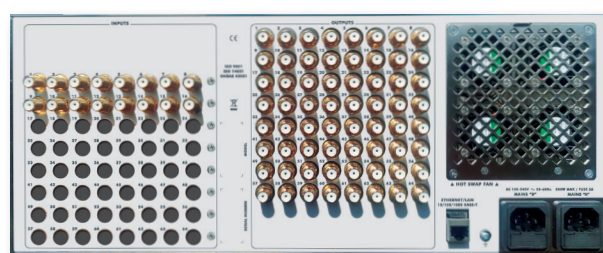
Mod. FOM 8 x 64 - Rear



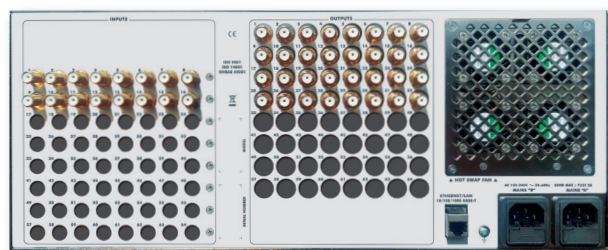
Mod. FOM 8 x 32 - Rear



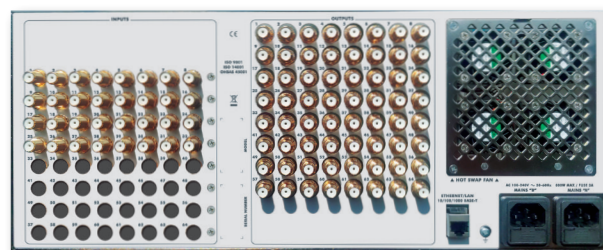
Mod. FOM 16 x 64 - Rear



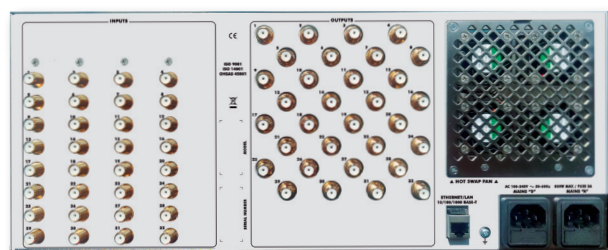
Mod. FOM 16 x 32 - Rear



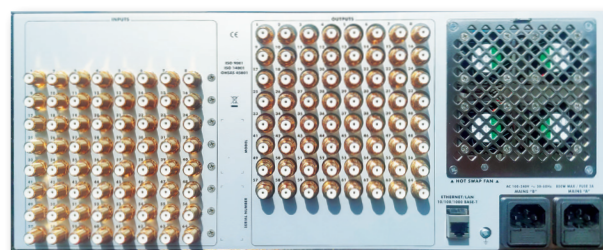
Mod. FOM 32 x 64 - Rear

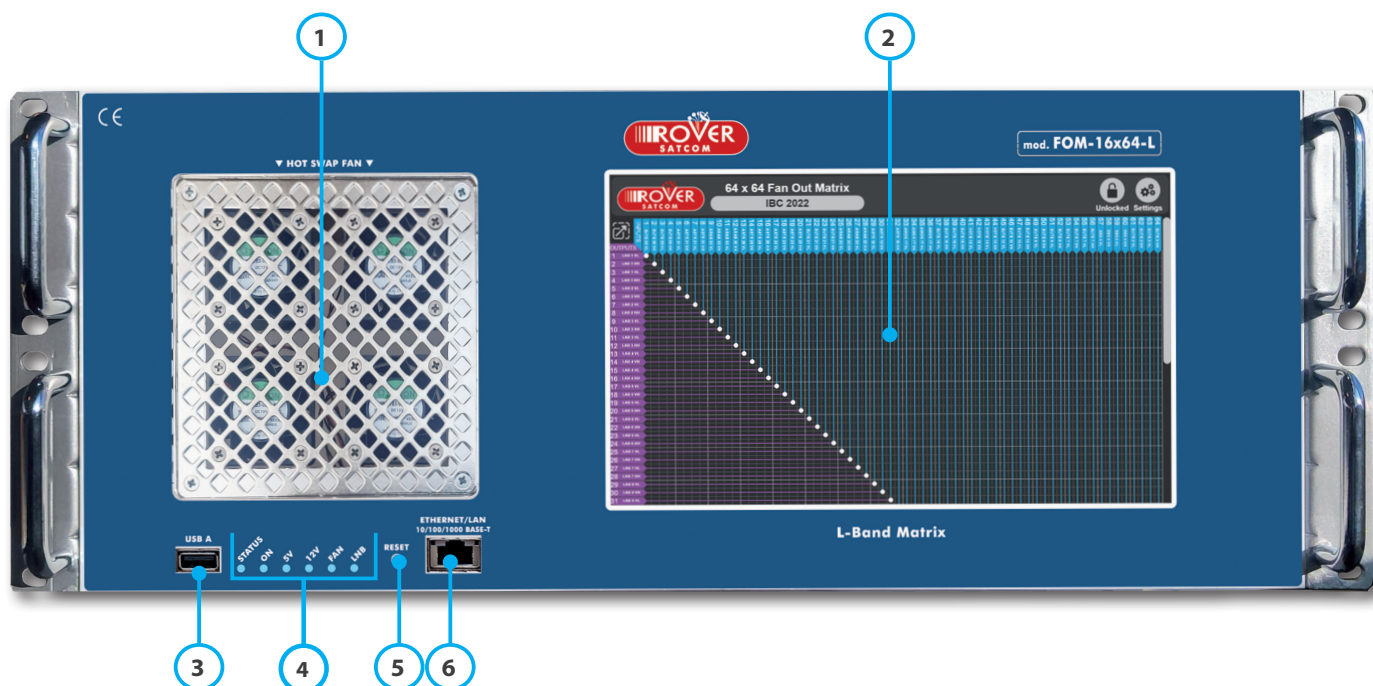


Mod. FOM 32 x 32 - Rear



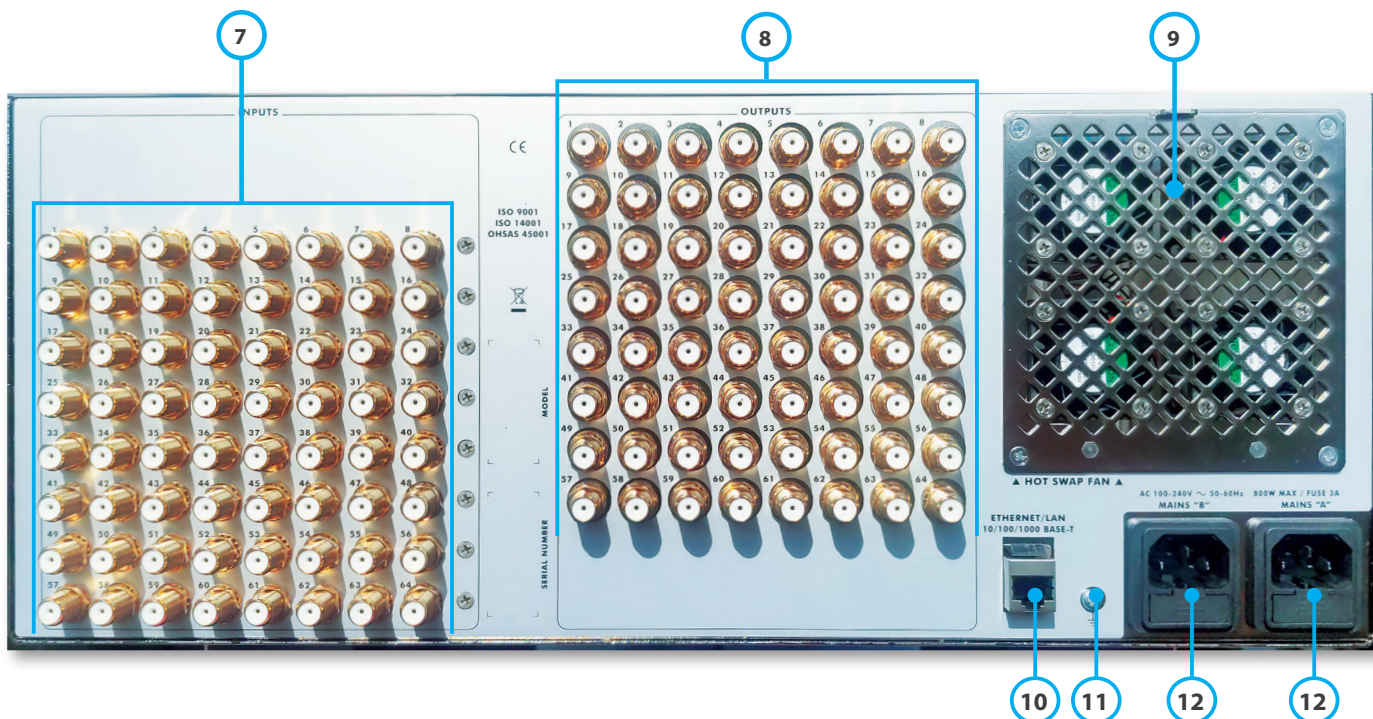
Mod. FOM 64 x 64 - Rear





1. N. 4 Front Hot-Swap Fans
2. 10" Capacitive Touch Display
3. USB A port
4. Status and Alarms Led
5. PC Hardware Reset
6. Ethernet port

REAR PANEL DESCRIPTIONS



7. Up to 64 RF Inputs
8. N. 32 or 64 RF Outputs
9. N. 4 Rear Hot-Swap Fans
10. Ethernet Management Port
11. Ground connection
12. Dual Main and Fuse receptacle

SPECIFICATIONS	950 - 2150 MHz	850 - 2450 MHz
Input Port Number:	8 to 64	
Output Port Number:	8 to 64	
Routing:	Distributive, non blocking	Distributive, non blocking
RF Connectors:	F (or BNC or SMA)	F (or BNC or SMA)
Impedance:	75 Ω (or 50 Ω opt.)	75 Ω (or 50 Ω opt.)
Operating Frequency:	950 - 2150 MHz	850 - 2450 MHz
Frequency Response:	± 2 dB	± 4 dB
Any 36 MHz:	± 1 dB	± 1 dB
Input P1 dB:	0 dBm typ.	0 dBm typ.
Noise Figure (max Gain):	13 dBm max.	13 dBm max.
Input Return Loss:	18 dB min.	14 dB min.
Output Return Loss:	18 dB min.	14 dB min.
Isolation Input to Input:	60 dB typ.	55 dB typ.
Isolation Output to Output:	60 dB typ.	55 dB typ.
Isolation Input to Output:	50 dB typ.	45 dB typ.
Input Gain Range:	-20 to +10 dB	-20 to +10 dB
Output Gain Range:	-15 to +15 dB	-15 to +15 dB
RF Sensing Range:	- 60 to 0 dBm	- 60 to 0 dBm
AGC Tracking Range:	- 45 to -10 dBm	- 45 to -10 dBm
Switching Speed for the RF switching part only, can be change according the n. of line involved:	150 mS typ.	150 mS typ.
Maximum Input Power: (No Damage)	20 dBm	20 dBm
Group Delay Variation:	5 mS	5 mS
Local Control:	10 " capacitive touch Display	10 " capacitive touch Display
Remote Control:		
10/100/1000 BaseT Ethernet Port :	N. 2 (front & rear)	
SNMP:	√	
V2c, v3:	on request	
Web Server:	√	
NTP Time Client:	√	
Alarms and Logging:		
SNMP Traps on Status Change:	√	
SNMP Trap on Crosspoint Change:	√	
RF too Low, too High, no RF signal:	√	
PSU Status:	√	
CSV Format Log File:	√	
Redundant Power Supply (with 2 separate receptacles for 2 separate Power lines):		
Redundant AC Mains PSU 110 - 240 Vac:	Yes	
Fans:	N. 8	
General Specifications:		
Dimensions:	19 " 4U Rack (75cm deep)	
Weight: (depending on n. IN/OUT Ports)	25 to 39 Kg	
EMC:	EN 50 083-2	
Safety:	EN 50 083-1 EN 60 950	
Environmental Parameters:		
Operating Temperature:	- 30° / + 55° (max 60°)	
Storage Temperature:	- 30° / + 70°	
Humidity:	95 % (non-condensing)	
Altitude:	3000 m AMSL	

HOW TO FIND US

Situated in one of the most beautiful tourist locations in Italy, on Lake Garda, ROVER can be easily reached from Milan, Bergamo, Verona and Venice airports.

Lake Garda is in the north of Italy, near the borders of Austria, Switzerland and Germany and is in the foothills of the Alps.

Lake Garda has a micro-climate, tropical in summer and temperate in winter, and where palms, olives, lemons, oranges, bouganville and even banana trees can grow.

Exploited by the Romans as long ago as 350 a.C., it is now one of the most important lakeside, spa and tourist resorts in Europe. Please find below photographs of some of the most important tourist attractions in the area.

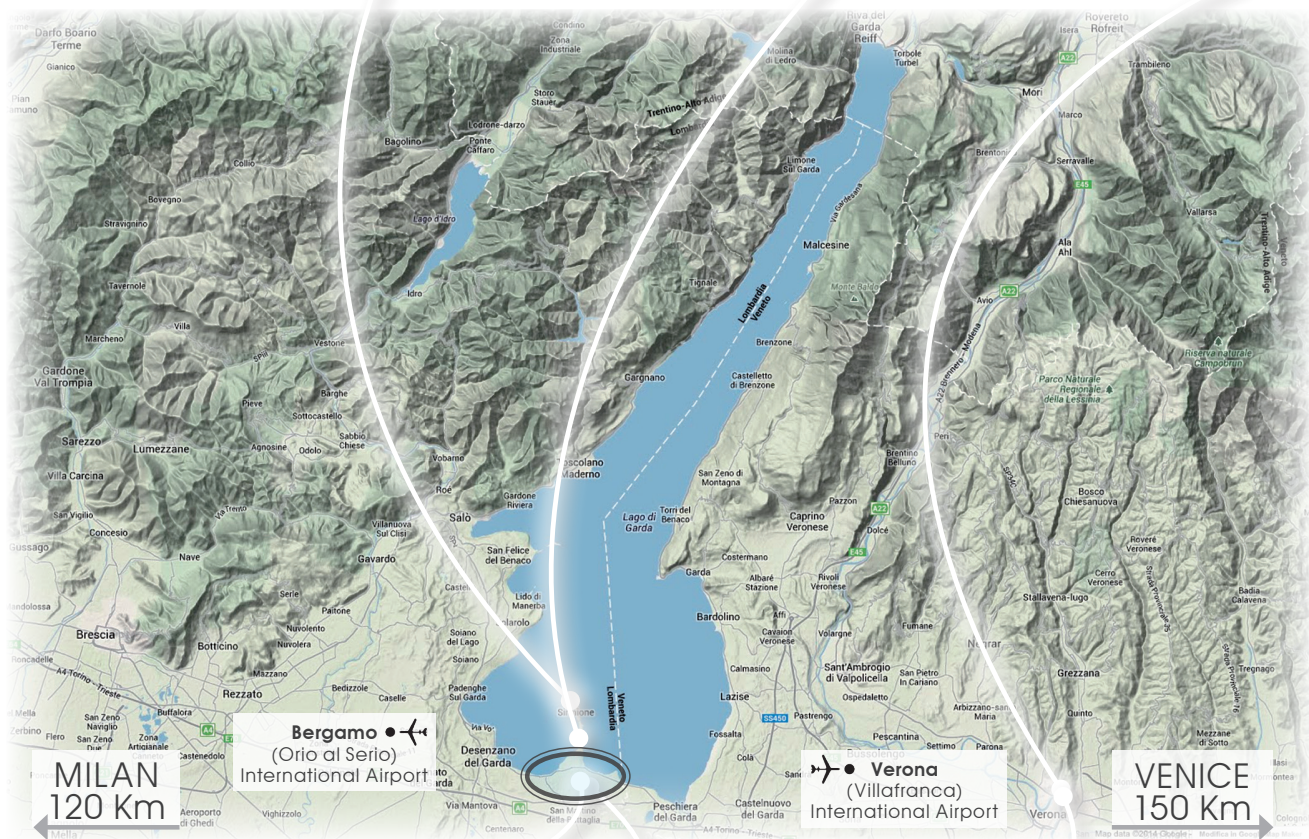
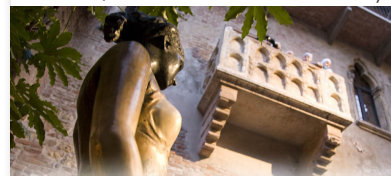
Catullus roman ruins, 350 b.C.



Sirmione Castle, 1.500 a.C.



Verona, Romeo & Juliet's balcony



GPS COORDINATES:
45° 27' 47"N, 10° 36' 24" E



ROVER Goods entrance & production



ROVER Laboratories and offices



Verona, roman Arena 120 b.C.

CERTIFICATES N°
1263 ISO 9001
1264 ISO 14001
1265 ISO 45001



Product
made in Italy by
RoverLaboratories.com



V2 1-4-25

*Specifications and features
are subject to change without notice.*

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