



Test benches & systems  
Hydraulic Systems for ropeways  
Hydraulic Power Units  
Industrial components  
Maintenance



Since 1981, year of the company foundation, RVS not only offers a wide range of **hydraulic components** required for the **realization of plants** and machineries, but at the same time is able to projecting, installing and building standard or customized hydraulic plants, according to specific customers' requests.

Rvs group can provide maintenance services to plants, as well.

The products RVS supplies, include **hydraulic control units, test benches, dedicated control software** and **special hydraulic vehicles**.

Thanks to the forty years of experience, the company has consolidated a specific competence in different fields: from automotive sector to the aeronautic one, from the industrial vehicle to the agricultural one, from didacts to the automation field.

Its long experience has also allowed RVS to be considered a competitive partner not only in the Italian market but also in the international one.

In addition to that, RVS is one of the main suppliers of certified **hydraulic systems for ropeways transport facilities** in Italy and worldwide: RVS has projected, realized and installed more than 300 plants worldwide..

**HPE** company is part of RVS Group and it deals with the engineering and the commercialization of standard or customized hydraulic systems power units, suitable to different kind of industrial fields.

The other main activity of HPE concerns the selling of a wide range of hydraulic components; its products can be used for every kind of industrial applications.

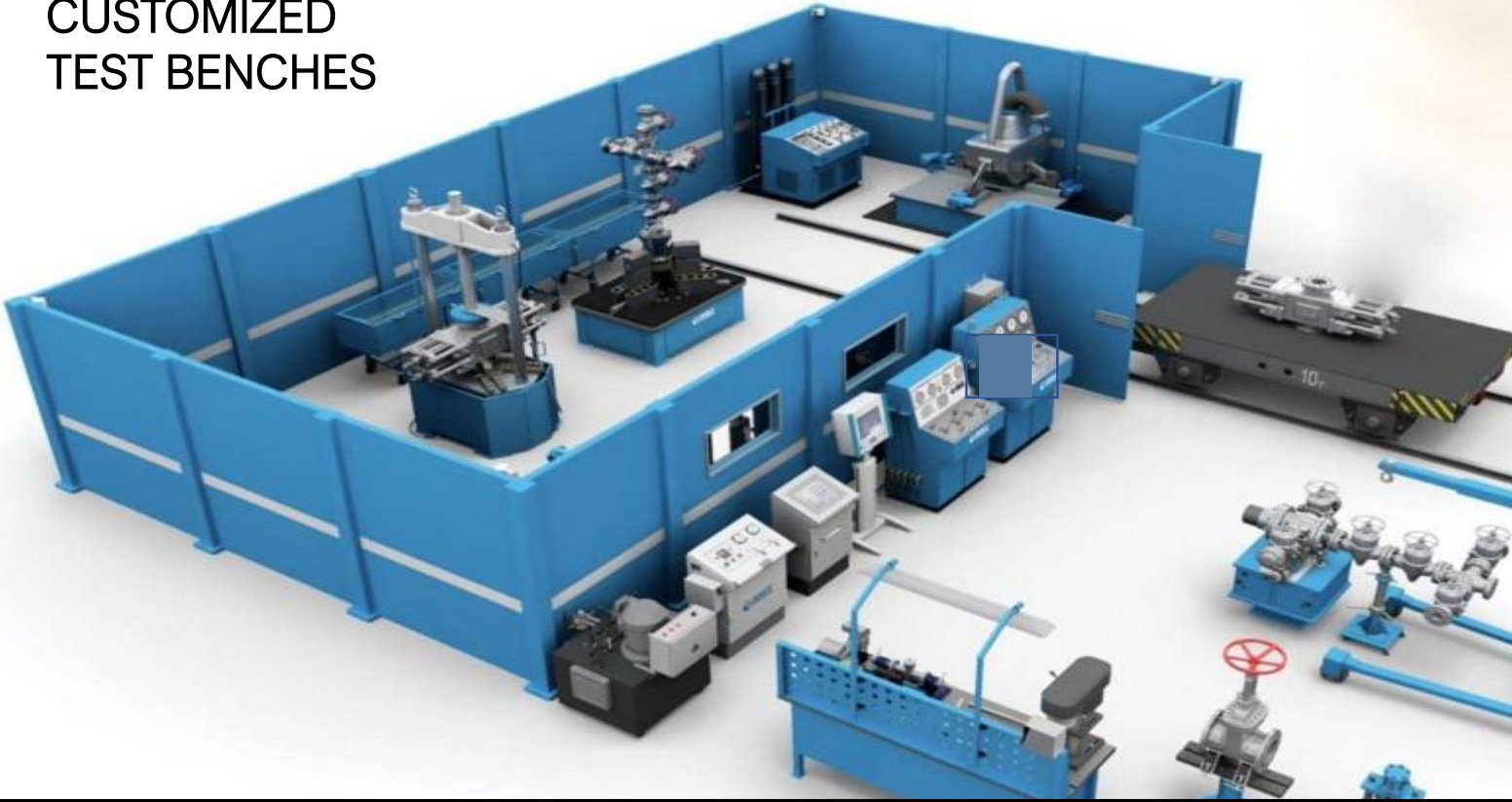
**HPE** is considered a qualified partner, able to assist the customer both technically and commercially during all phases of production.

Concerning the quality management system, it has been assessed and registered against the requirements of **ISO 9001:2015** by AJA Registrars Europe. Besides, RVS attests the conformity of its products with all relevant CE Directives through manufacturer declarations of conformity. Its products are always supplied with detailed technical documentations and manuals comply with **CE marking**.





## CUSTOMIZED TEST BENCHES



### OPTIMUM SYSTEM SOLUTIONS

The engineering of test bench systems can be customized according to specific customers' needs.

### ASSISTANCE TO CUSTOMER

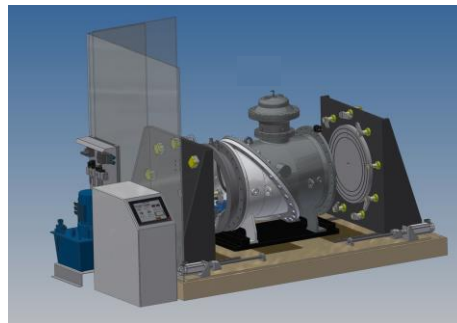
RVS staff is at complete disposal not only starting from the design studio of the test bench but also for post sale maintenance service.

### TURNKEY PROJECTS

From the engineering study to the subsequent activation of the plant.

### FIELDS OF INTERVENTION

Wide ranging expertise, gained over decades of involvement, applicable to the following fields: mechatronics, mechanic engineering, fluids technology and conditions monitoring.



Thanks to the forty years of experience, RVS is able to create personalized solutions for the testing of all kind of hydraulic devices in accordance with the existing legislations.

### Test bench & systems for automotive components

- Hydraulic pumps, motors and valves
- Cooling systems
- Gearbox
- Hydraulic filters
- Mechatronic actuators

# HYDRAULIC SYSTEMS FOR ROPEWAYS



## TENSION CONTROL SYSTEMS

The fluid power supply for tension control systems has the function to keep the right tension on the cable. The system can also recover potential cable releases which can come out during plant operations

## SERVICE AND EMERGENCY BREAKS

The fluid power supply unit which operates the service and the emergency breaks, mounted on the cable car hoist, require high performances in terms of response time

## CAR BREAKS

This kind of unit has to provide a very short response time in order to guarantee immediate operation of the breaks.

## RECOVERY HOISTS

The recovery fluid power supply unit has the function to move the car in case the electric motor breaks. The unit is electrically controlled, but a manual system is available for particular emergency situation.



Recovery and Rescue System



Car Brakes



Service and Emergency Brakes



Tension Control System



Cableway- La Thuile-Italy



HP Units, Off Shore Netherlands



Ropeway- L'Aquila- Italy



ENI SAIPEM- Kazakistan



ENI SAIPEM -Azerbaijan



Hydraulic System-  
Coahuila, Mexico



Platform Off Shore -  
Venezuela



Funicular –Capri, Italy

Hydraulic  
Systems plants,  
off shore and  
ropeway systems  
of RVS worldwide



Ropeway- Rio de Janeiro-Brazil

Funicular-Shenzhen



Cableway-Hong Kong- Ocean Park



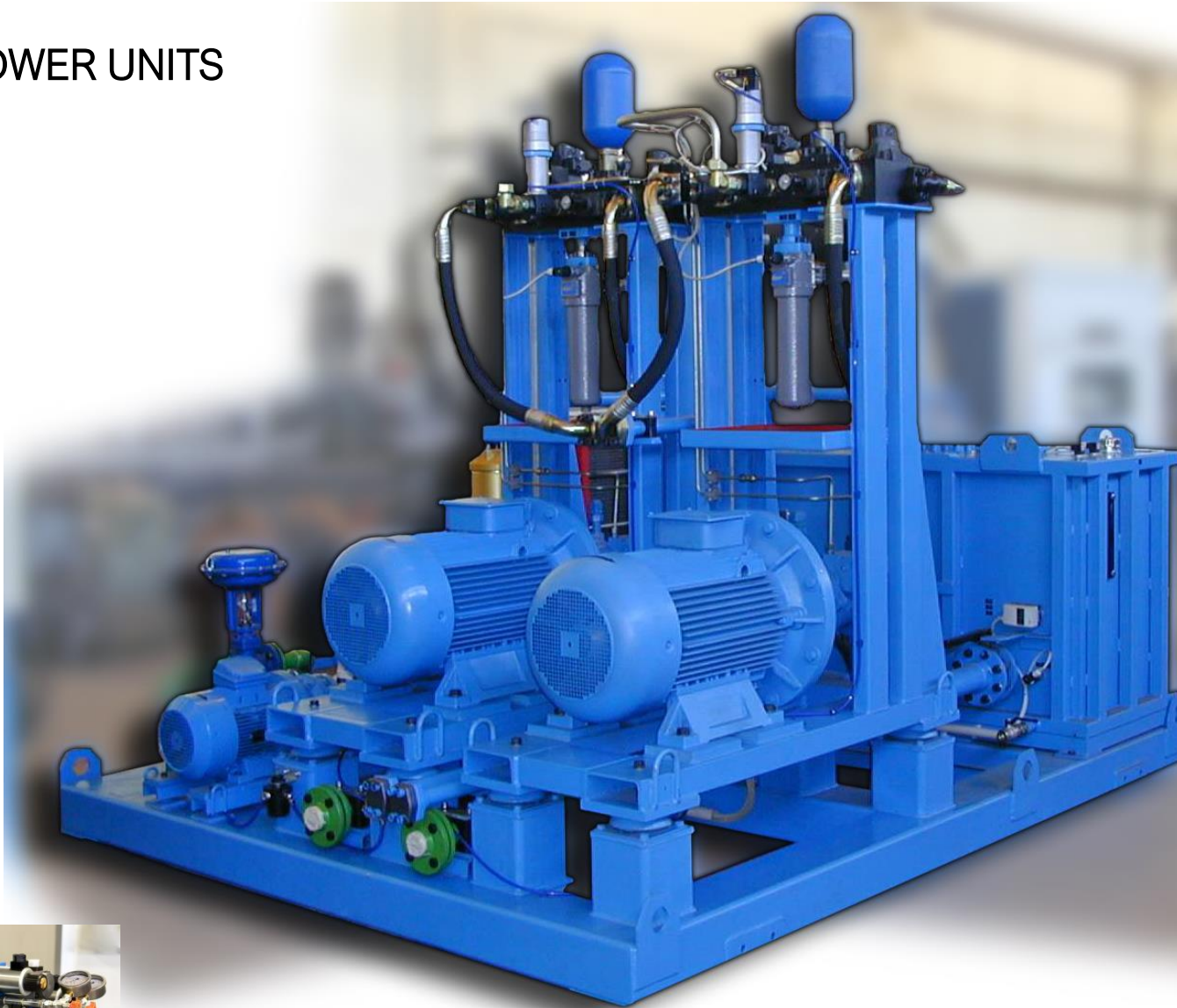
Ropeway- Iran



HP Units for Didactics-Tunisia



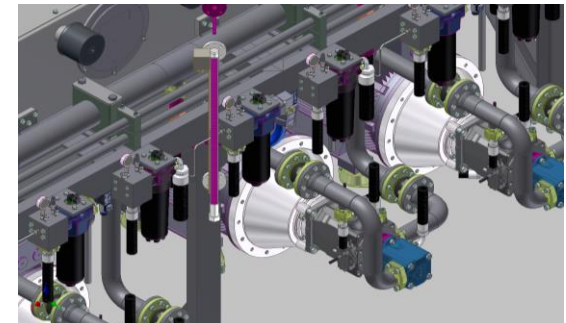
# HYDRAULIC POWER UNITS



RVS is specialized in the design and manufacturing of highly customized hydraulic systems to meet every kind of customer need. Examples of hydraulic systems it supplies are:

**Fluid power supplies** for special uses, from small portable units to complex systems for industrial use.

**Hydraulic cooling systems:** we are able to design and manufacture all kind of hydraulic cooling systems in order to provide the right operational temperature even at the most extreme conditions.



# INDUSTRIAL COMPONENTS



- Hydraulic pistons, bag and membrane accumulators



- Vacuostats, pressure switches, pressure transmitters and flow switches, level gauges, flow transmitters



- Hydraulic, complete, self-cleaning, manual and motorized filters



- Hydraulic pumps, motors and orbital motors



- Hydraulic valves, proportional and Servo valves, Control systems, electronic components, hydraulics cartridges



- Hydraulic distributors, power take offs, pto, mechanic and pneumatic controls, small power units





- Hydraulic subplates, basic manifolds



- Bell housings for power units



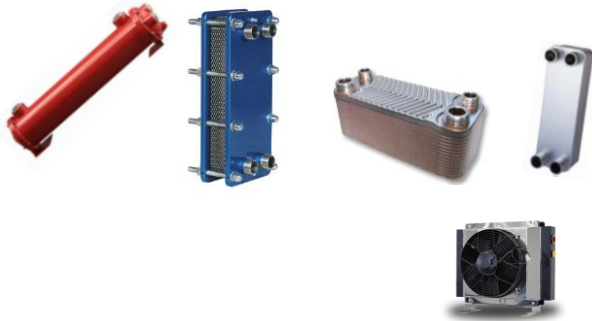
- Hydraulic and pneumatic cylinders



- Fittings and flexible hoses for low, medium and high pressure



- Rapid couplings and rotatory fittings



- Shell and tube heat exchanger, Plate heat exchangers, closed and opened circuit cooling towers, evaporative condensers, operative coolers

- Air/oil heat exchangers





# CONTACTS



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