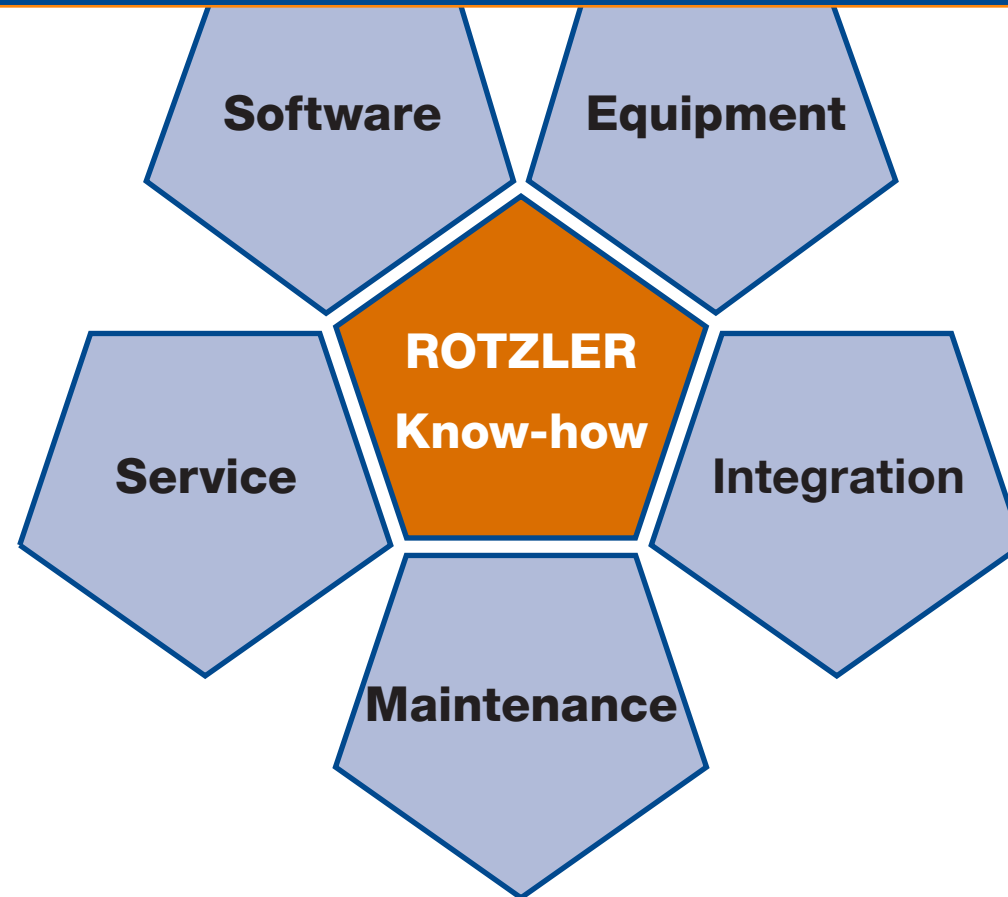




Integrated Systems Solutions





The ROTZLER based label summarizes our concepts, products and latest winch technology, which define the characteristics of a premium recovery vehicle.

In critical recovery situations safety is paramount and every second counts. Each operation brings unique challenges and success relies on the perfect interaction between the operator and his recovery vehicle. As a result, modern recovery vehicles require complex and highly integrated recovery systems, designed to meet current and future challenges.

Which recovery tasks need to be covered? What is the best equipment to safely and quickly complete these challenges? How can the control of complex recovery systems be simplified to increase operator safety and reduce risk?

ROTZLER Recovery Vehicle Systems deliver the answers, from design concept through to series production, covering everything from high-quality recovery equipment like ROTZLER TREIBMATIC winches, vehicle integration, control & operating systems, through to diagnostic systems and product support services.

Integrated systems by ROTZLER are the result of decades of experience in supplying field proven recovery winches and solutions for military recovery vehicles worldwide.





All you need for premium recovery vehicles

Customer				
Standard Hardware	Construction Fitting and Accessories	Systems Integration Electronic, Hydraulic	System Responsibility	
Customer Options	Special Hardware	Construction Fitting and Accessories	Prototype Fitting	
	Standard Hardware	Special Hardware	Start up	
	Customer Options	Customer Options	Standard Hardware	Training
			Systems Integration Electronic, Hydraulic	
			Construction Fitting and Accessories	
			Special Hardware	
	Standard Hardware			



Oil Cooler



Operating Unit



Multifunctional Operating Unit



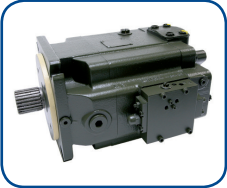
Distributor Box



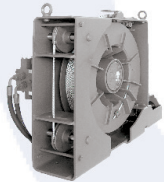
CAN-Bus Interface



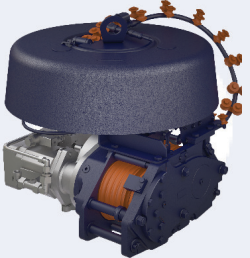
Rope Trumpet



Adjustable Pump



Utility Winch



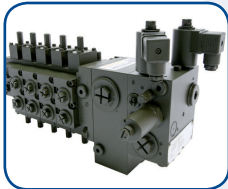
TREIBMATIC Winch



TITAN Winch



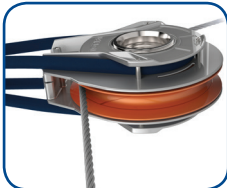
Electronic Control Unit



Control Block



Control Block



Snatch Block



Bulkhead Connections



Terminal Box



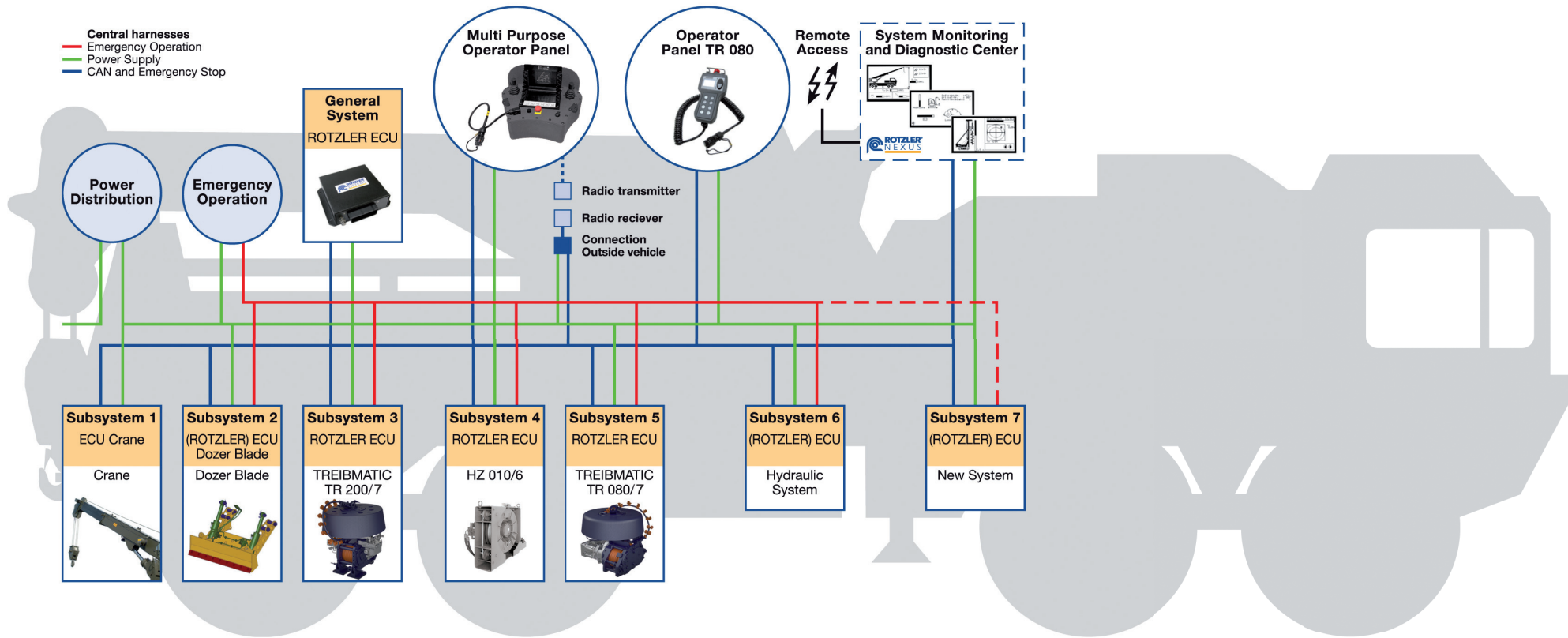
Wiring Harness

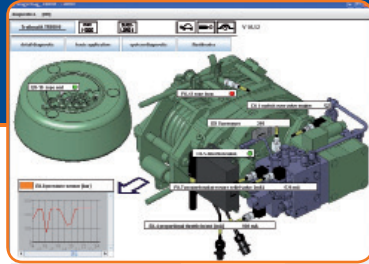


Integration

Each recovery vehicle project has its own complex requirements for baseline vehicle, RV performance, number and type of subsystems, tools etc.

System Overview (Example):





Diagnostic & Service



The ROTZLER on-board PC with ruggedized touch screen and heated enclosure is a convenient component when it comes to user-friendly maintenance and diagnostics. To enhance systems it also offers features such as data recording, remote access (i.e. by satellite, 3 G phone network, WLAN), etc. Typically, the ROTZLER NEXUS software is installed on this PC.

ROTZLER NEXUS is a modern software-based diagnostic, dialog and administration tool. This program transfers, displays and updates all relevant data from the controller of available systems, e.g. winch or crane.

The digital controllers used by ROTZLER customers are accessible at any time and can be easily evaluated. ROTZLER NEXUS is directly connected to the CAN bus interface and is ideally suited to supervise one or more systems, either stand alone or integrated in e.g. loading cranes or vehicles.

Service

For individual customer requirements ROTZLER offers excellent and competent service during every project phase.

Technical experienced sales teams, along with project and design engineers supply expert consulting and designs in close cooperation with all project partners.

This results in customized solutions for optimized performance. Additionally, operator training is offered by the ROTZLER After Sales experts.

Attractive maintenance concepts and longterm spare parts supply complete the ROTZLER service package.

The ROTZLER expert team is on duty all over the world, to provide customer service just-in-time.



Software



ROTZLER understands recovery vehicles are an assembly of various subsystems which are connected by means of clear interfaces. This allows standardizing parts of RVs without giving up the flexibility to design a vehicle meeting various different customers' requirements.

Recovery vehicle hydraulic and general systems are controlled by ROTZLER Electronic Controller Units (ECU).

The ECUs offer an improved robustness to survive harsh environmental conditions, i.e. temperature, dust, moisture, vibration etc.

Its processor provides enough power to control even complex systems, comprised of winches, cranes, dozer blades and spades.

The software developed for the hydraulic and electronic systems includes important functions and diagnostic data for the overall system, such as emergency messages.

ROTZLER's Software portfolio includes

- Software for remote control
- Software for various controllers of sub-systems
- Software database including documentation
- Log entries
- Configuration management



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