



Heat, water, dust, mineral deposits: mining exposes people and machinery to extreme conditions. Because conveyor and transport vehicles operate nearly 24 hours a day as they mine for valuable raw materials, all the materials used need to be able to withstand these unique conditions and thus ensure safety and efficiency both above and below ground.

We've been successful in open pit and underground mining for more than 25 years and optimise wheels for a whole host of vehicle types and systems. Whether for soft or hard rock, our extraordinarily diverse wheel tread materials and our complete wheels have been tested in the laboratory and proven their worth on the job. We develop tailored solutions for special requirements in order to provide new prospects for future high-tech mining applications.

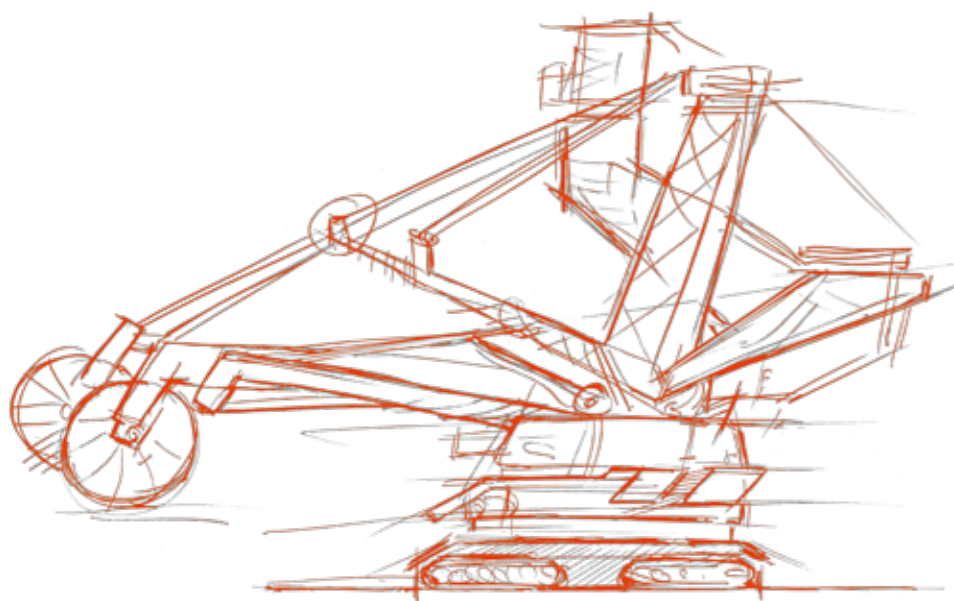
# Mining

## LOAD-HAUL DUMPERS (LHD)

As one of the most important pieces of equipment in mining, load-haul-dump vehicles work almost non-stop under the harshest conditions. Here, durable and long-lasting wheels are essential for preventing costly production losses. The proven reliability of our products minimises precisely such machine downtime. At the same time, low vehicle height is a decisive factor where adits are low and have uneven floors. This is another area in which we can offer specially tailored solutions for your specific needs.



Source: RÄDER-VOGEL



## MONORAIL SYSTEMS FOR MINING

Our products must be able to withstand the enormous contact pressures encountered in the transportation of persons and materials in mines. To fulfil these demands, we offer wheels with high-performance VULKOLLAN® 95 Shore A treads. This material stands up to the highest dynamic loading stresses and is characterised by a high static friction coefficient that enables the wheels to overcome inclines of up to 30 degrees.



## PIT CAGE

Pit cages travel considerable distances between the pit bank and the workings when transporting people and equipment in and out of the mine and hoisting extracted materials to the surface. Smooth-running, well-damped and, above all, safe wheels made with anti-static materials are an absolute must for mine-hoisting systems. Our wheels offer the additional benefit of a particularly long service life: they last up to six times longer than conventional wheel tread materials, at speeds of up to 21 metres per second.



Source: RÄDER-VOGEL



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## SHUTTLE CAR

As the link between the continuous miner at the face and the conveyor line, shuttle cars frequently have to master difficult and uneven surfaces. Especially for such conditions, we offer wheels with and without treads that can be optimised in collaboration with you to meet the specific needs in your mine. In comparison with conventional wheels with the same dimensions, wheels customised with PEVOTEC® treads can handle much higher loads.



Source: RÄDER-VOGEL



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