

2009 - 2014

Year	Mineral	Deposit	Services
2009	copper shale	Spremberg-Graustein	flotation tests, consulting
2009	quartz sand		pilot tests on magnetic separation and fine grinding
2009/2010	quartz sand	Lower Rhine/ Germany	investigations on beneficiation
2009-2013	fluorspar, baryt	Niederschlag/ Germany	tests, basic engineering, commissioning
2010	copper ore	Peru	grinding tests, flotation tests
2010	copper ore	Chile	flotation tests
2010	FGD gypsum	Lippendorf/ Germany	upgrading by flotation
2011	copper ore	Los Pelambres/ Chile	grinding tests, flotation tests
2011/2012	red mud	Germany	magnetic separation
2011-2013	lithium mica	Zinnwald/ Germany	investigations on beneficiation including calcination and leaching
2011-2014	rare earth ore	Ashram/ Canada	investigations on flotation
2012	china clay	Uruguay	preconcentration of gold from China clay
2012	zinc smelter slag	Kasakhstan	test on recovery of precious metals
2012, 2014	tin skarn	Geyer/ Germany	investigations on beneficiation
2012-2013	fluorspar, barite	Gehren/ Germany	flotation tests
2013	gold ore	Kasakhstan	technical consulting
2013	tin-tungsten ore	Eastern Ore Mountains	gravity and magnetic separation
2013-2014	rare earth	Russia	recovery of REE from phosphogypsum by classification and leaching
2013-2015	rare earth	Strange Lake/ Canada	consulting and separation tests
2013-2016	copper ore	Chile	SecMinStratEl - Recovery of strategic elements from mine dumps
2014	phosphate rock	Al Jalamid/ Saudi Arabia	tests on crushing, grinding, sizing, flotation and chemical processing
2014	rare earth	Russia	basic engineering pilot plant on REE extraction from phosphogypsum
2014	graphite ore		table separation
2014	soil	Switzerland	flotation of heavy metals from contaminated soil
2014	fluorspar	divers	flotation study
2014	clay, quartz sand	Lower Rhine/ Germany	processing of a clay-quartz deposit
2014	rock salt	divers	investigation on long-term storage of de-icing salt with regard to dissolving and recrystallization behavior
2014	spodumene	unk	flotation tests
2014-2017	copper shale	divers (France, Germany)	ECOMETALS - recovery of strategic and rare metals from copper shale

2015 - 2017

Year	Mineral	Deposit	Services
2015	rare earth	Brazil	recovery of rare earth from tin mining tailings
2015	tin-tungsten ore	Western Ore Mountains	tests on crushing, grinding, sieving, gravity separation
2015	rock salt	Germany	tests on fine salt processing
2015	graphite ore	Tanzania	tests on beneficiation
2015	rare earth	Brazil	recovery of rare earth from phosphogypsum
2015	granite sand	Thuringia/ Germany	tests on upgrading by flotation
2015	quartz sand	Urals/ Russia	recovery of glass sand from heavy mineral sands
2015	tin ore	Western Ore Mountains	gravity separation
2015/2016	petalite ore	Separation Rapids/ Canada	pilot flotation
2015-2016	lithium mica	Cinovec/ Czech Republic	pilot flotation
2015-2018	tin-indium complex ore	Western Ore Mountains	research project AFK - beneficiation of disseminated complex ores
2016	rock salt	Germany	optimization of rock salt processing plant
2016	gold ore	diverse	tests on bioflotation
2016	barite	Bulgaria	bleaching tests
2016	lithium mica	Cinovec	bench and pilot tests on wet magnetic separation
2016	potash	Russia	grinding, flotation and leaching tests
2016-2017	graphite ore	Sweden	tests on beneficiation including leaching
2016-2018	gold ore	Utah/ USA	gravity separation, flotation
2016-2018	rare earth	Nam Xe/ Vietnam	binational research project - beneficiation
2017	tantalum ore	Penouta Mines/ Spanien	pilot tests on gravity separation
2017	copper ore	divers/ Chile	carrier flotation on the recovery of molybdenite
2017	gold ore	-	basic engineering on a pilot plant for bioflotation
2017-2019	lithium mica	Zinnwald/ Germany	pilot tests, basic engineering
2017-2019	gossan	Spain	study on upgrading of iron assay

2018 - 2020

Year	Mineral	Deposit	Services
2018-2019	spodumene ore	Ontario/ Canada	flotation tests
2018	kieserite	Germany	milling and flotation test
2018	niobium-tantalum ore	unk	bench tests on gravity separation
2018	potash	Belarus	hot leaching and crystallization
2018	skarn ore	Tellerhäuser/ Germany	FAME - pilot tests on beneficiation (crushing, sizing, sensor-based sorting, grinding, magnetic separation, gravity separation, flotation, dewatering)
2018	lithium ore (mica)	Cinovec	pilot tests on magnetic separation
2018	andesite rock	Saxony/ Germany	test on reduction of iron content
2018	granulite rock	Saxony/ Germany	test on reduction of iron content
2018-2019	beach sand	South Africa	disintegration, desliming and flocculation
2018-2019	chromite ore	Kasakhstan	recovery of fine chromite from tailings
2018-2019	perlite	divers	beneficiation of raw perlite by selective comminution
2019	iron ore	Russia	magnetic separation tests
2019	iron ore	Ukraine	magnetic separation tests
2019	lithium ore (mica)	Germany/ Zinnwald	Grinding and wet high gradient magnetic separation (WHIMS)
2019	petalite ore	unk	flotation tests
2019	pegmatite	unk	tests on grinding and flotation
2019-2020	flourspar	Mongolia	flotation tests on calcite separation
2019-2020	tuff	Germany (Weibern, Ettringen)	selective grinding and classification for restoration render production
2019-2021	kaolin, quartz sand	Bulgaria	lab and pilot tests, process development, basic engineering
2019/2020	feld spar	n.b.	separation of iron oxides
2020	magnetite ore	n.b.	dry magnetic separation (LIMS)
2020	soil	Germany	flotation and remediation of oil contaminated soil
2020/2021	lithium ore (mica)	Erzgebirge	pilot tests including crushing, grinding and dry high gradient magnetic separation
2020	Pb Zn Cu ore	Australia	mineralogical analyses, float-sink-analyses, flotation tests
2020	silica sand	Germany	basic flotation tests

2021 -

Year	Mineral	Deposit	Services
2021	granodiorite	Germany/ Lusatia	investigation on reduction of iron content
2021	silica sand	Germany	lab test on coal separation
2021	tailings	Czech Republic	recovery of quartz sand from mine tailings
2021	potash	Germany	separation of clay by hydro cyclone
2021-2022	perlite	unk	Wet high gradient magnetic separation
2021	cristobalite	Bulgarien	pilot tests on fine grinding
2021	Cu ore tailings	Chile	recovery of garnet (andradite) by magnetic separation
2021	gilsonite	USA/ Utah	tests on fine grinding
2021-2022	iron ore	Russia	pilot tests on silica flotation
2021-2022	tantalite concentrate	Spain	separation of radioactive elements
2022	talings	Spain	flotation of tin, tantalum and niobium
2022	potash	Australia	assessment of flotation process
2022	silica sand mud	Germany	investigation of sedimentation behaviour
2022-2024	Pb Zn Ag Skarn	Indonesia	tests and flow sheet development for skarn ore processing
2022	flourspar	Mongolia	optimization of flotation scheme and reagents
2022	kaolin	Romania	Upgrading of china clay for production of metakaolin
2022-2025	tailings	Germany/ Erzgebirge	recovery of lithium, tin and silica sand (construction sand)