

Der globale Magnesiummarkt und Aussicht

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President CRM Alliance

Chairman European Committee IMA



IMA representiert die gesamte Wertschöpfungskette der Magnesiumindustrie seit 76 Jahren



IMA ist die globale Stimme von Magnesium, gegründet im Jahr 1943. Die Mission der International Magnesium Association (IMA) ist die Verwendung des Metalls Magnesium bei der Materialauswahl zu fördern und innovative Anwendungen des vielseitigen Metalls zu fördern. Die Mitglieder von IMA setzen sich aus Primärproduzenten der Metallindustrie, Recyclingunternehmen, Gießereien, Verarbeitern, Endverbrauchern und Zulieferern zusammen. http://www.intlmag.org/page/about_ima

IMA in Europa konzentriert sich auf Industrie Marketing und ist Sprachrohr der Magnesiumindustrie



Non-ferrous Metals Manufacturing:
Vision for 2050 and Actions Needed



Veranstaltungen:

- Messen
- Leichtbau
- IMA Konferenz
- Ausbildung

Kooperation:

- CRM Alliance
- GALM
- MMTA
- EFM

Publikationen:

- LCA Studie
- EU Recycling Studie
- Sicherheitsbroschüre

Vertretung:

- SCRREEN Expert Netzwerk
- EU Add-Hoc Supply Group
- EU High-Level Expert Groups (Battery Alliance, Non-Ferrous Metal)
- EIT Raw Material

Critical Raw Material Alliance (CRM Alliance) vertritt ihre Mitglieder in europäischen Fragen von Verordnungen und Gesetzen

CRM Tage:

- Primär Produktion
- EU Policy
- Recycling
- CRM Liste Umsetzung
- Batterie Grundstoffe

Veröffentlichungen:

- 5 Prinzipien
- CRM Liste Erläuterung
- CRM Memorandum



BeST



The Barytes
Association



beta



CDI



Ecophos



Euro Alliages



International
Antimony
Association



International
Magnesium
Association



IMERYS



INDIUM
Corporation



International
Precious Metals
Institute



IMAT



Jastrzębska
Spółka Węglowa
S.A.



Minor Metals
Trade
Association



Tertiary
Minerals



TANTALUM-NIOBIUM
INTERNATIONAL STUDY CENTRE
Tantalum-
Niobium
International
Study Centre

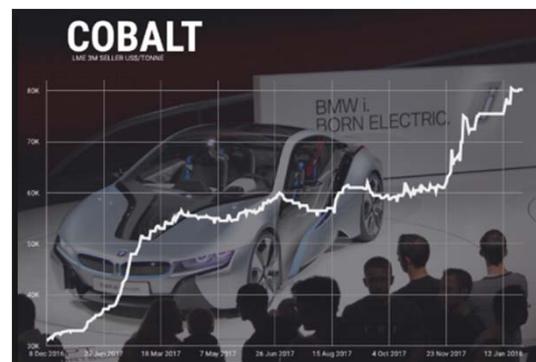
Die “Notwendigkeit” der Klassifizierung von Rohstoffen

- EU Critical Raw Material List
- Conflict Minerals
- CRMs for defense sector
- US List of critical materials
- Raw materials of strategic economic importance for high-tech made in Germany
- Japan's Approach to Critical Metals Issues
- Battery Raw Materials (BRM)
- Supper Alloys
- ...



International
Magnesium
Association

Group →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Period ↓	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	1 H																	2 He
2	3 Li	4 Be																10 Ne
3	11 Na	12 Mg																18 Ar
4	19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr
5	37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe
6	55 Cs	56 Ba	57 La	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn
7	87 Fr	88 Ra	89 Ac	* 104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Nh	114 Fl	115 Mc	116 Lv	117 Ts	118 Og
	* 58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu				
	* 90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr				



Reaktive Rohstoffpolitik der EU beeinflusst den Magnesium Markt

Mg > 99,8% (810411)quota:

Legal Notice | Contact | Search English (en)

 TAXATION AND CUSTOMS UNION

European Commission > Taxation and Customs Union > Databases > QUOTA > Tariff quota details

User Guides, Information and Downloadable data: [\[Info\]](#) QUOTA Help | QUOTA What's new? | Information | QUOTA FAQ

Last update: 04-01-2019

Tariff quota details

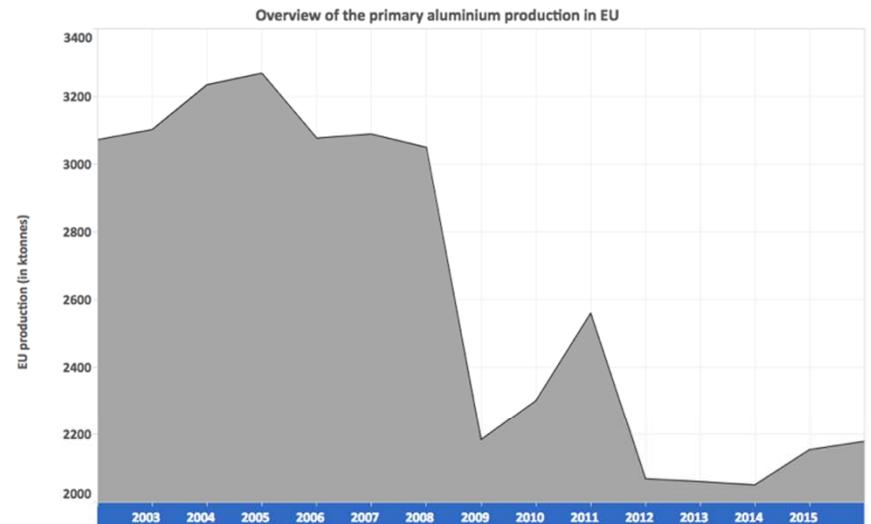
Order number	092722
Validity period	01-01-2018 - 31-12-2018
Origins	ERGA OMNES
Initial amount	80000000 Kilogram
Amount	80000000 Kilogram
Balance	2763037 Kilogram
Transferred Amount	
Exhausted date	
Critical	Yes
Last import date	31-12-2018
Last allocation date	03-01-2019
Total awaiting allocation	0
Blocking period	
Suspension period	
Allocated percentage at the exhaustion date	100
Associated taric code	8104 11 00 00



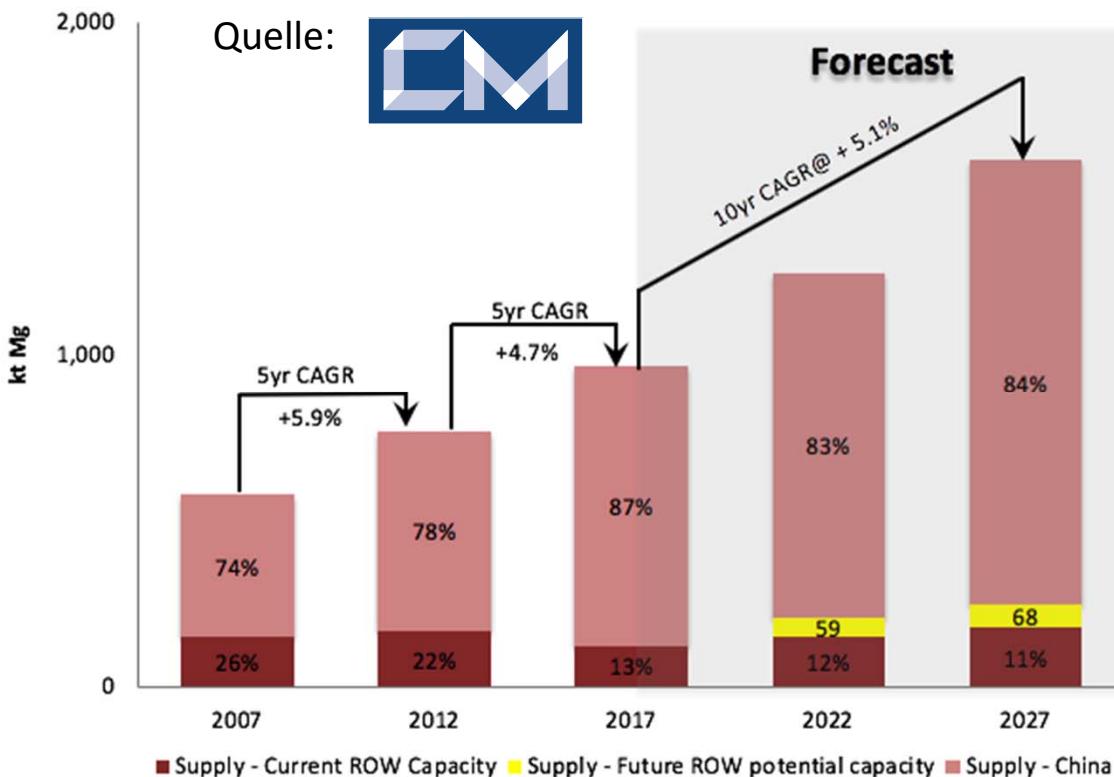
FOOTPRINT VERSUS MASS: HOW TO BEST ACCOUNT
FOR WEIGHT REDUCTION IN THE EUROPEAN
VEHICLE CO₂ REGULATION

AEGIS Europe

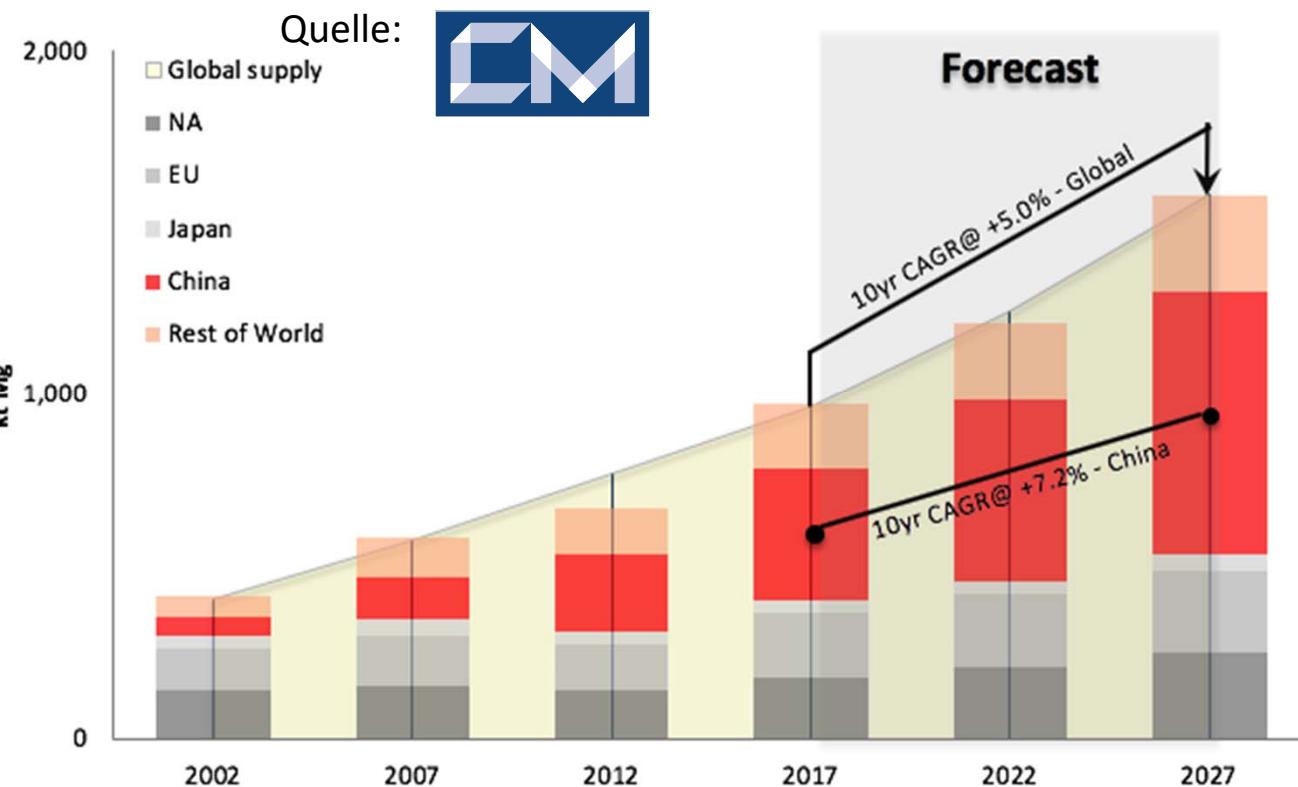
[Walking the same path: Free and fair trade for Europe and aluminium](#)



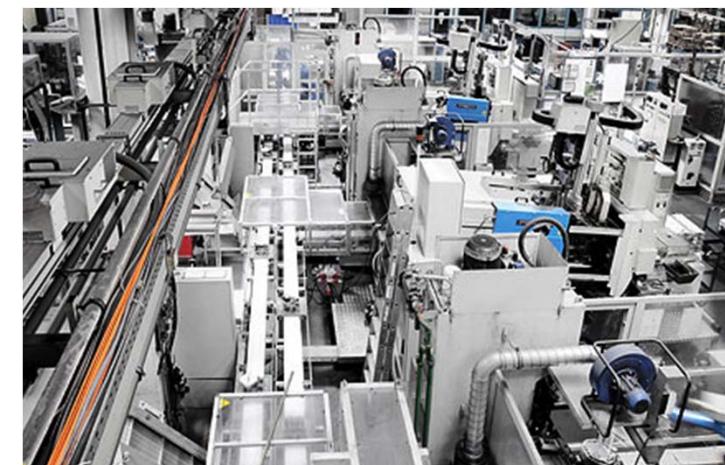
Die internationale Angebotsentwicklung der Magnesiumindustrie



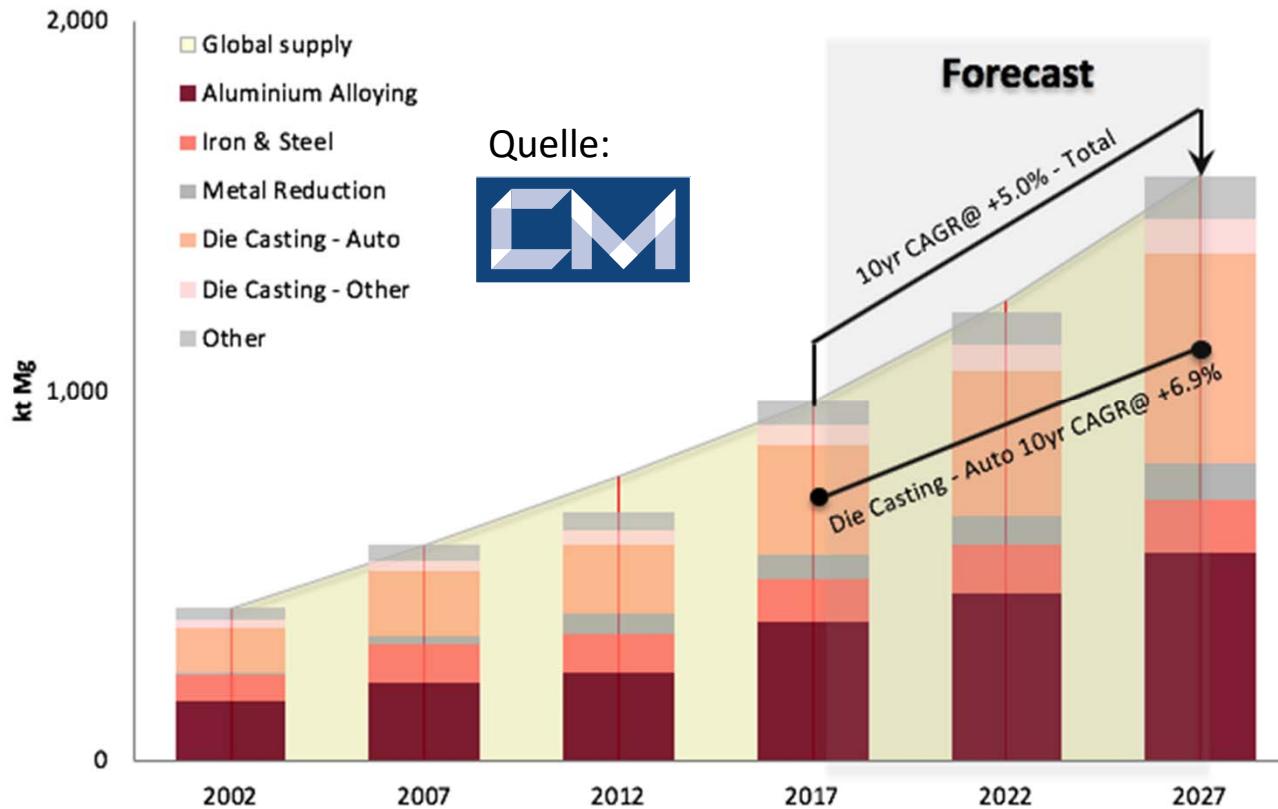
Die internationale Abnahmeverorschau der Magnesiumindustrie



International
Magnesium
Association



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Association



Die Rolle Chinas als Rohstoffproduzent für Magnesium

China's non-ferrous metal output grows 5.7%

Name of metal	Production in	Total output
	October. 2018	Jan.-Oct. 2018
Copper	735820	7393251
Aluminium	2715461	27714042
Lead	459932	3962438
Zinc	501075	4651727
Nickel	18606	136019
Tin	13688	143085
Antimony	16356	154623
Mercury	192	1713
Magnesium	55876	570209
Titanium	5455	58005
Total China	4522461	44785113



A nationwide real-time online environmental monitoring system to be set up and an emission permit system will cover all companies with stationary pollution sources.

Die Rolle Chinas als Rohstoffproduzent für Magnesium

Production process and equipment		Concentration limit (mg/m3)								
		Current standard (GB 25468-2010)				New regulation standard (GB 25468-2010 Amendment)				
		particulate matter	SO2	Cl2	HCl	particulate matter	SO2	Cl2	HCl	nitrogen oxides (cal. as NO2)
Mining	crushing, sieving, transporting	50	-	-	-	10	-	-	-	-
Mg smelting	raw material preparation	50	-	-	-	10	-	-	-	-
	calcination kiln	150	400	-	-	10	100	-	-	100
	reduction furnace	50	400	-	-	10	100	-	-	100
	refining furnace	50	400	-	-	10	100	-	-	100
	others	50	400	-	-	10	100	-	-	100

Veroeffentlichung: http://www.mee.gov.cn/gkml/hbb/bgg/201801/t20180119_429997.htm Quelle: Magontec

Herausforderungen der Magnesiumindustrie – Eine Bewertung

SWOT ANALYSIS



<u>Strengths</u>	<u>Weaknesses</u>
<ul style="list-style-type: none">- Lightness/Abundance- Castability/ Recyclability- Easy integration of parts- High affinity with sulphur- Essential alloying element for AL- Bio-absorbable	<ul style="list-style-type: none">- Corrosion- Oxidability/Flammability- China Supply- CO₂ Footprint (Pidgeon process)- Price/costs- No contact with national government/industry representative
<u>Opportunities</u>	<u>Threats</u>
<ul style="list-style-type: none">- New vehicle concepts/New applications (urban mobility)- New Alloys/High Purity Alloys- Al alloys containing Mg in the automotive industry- Space applications/3C devices- Green electrolytical process- Circular economy	<ul style="list-style-type: none">- Supply risk/Price volatility- New Al alloys/HSS alloys- CO₂ footprint- Single sourcing (sheets)- Anti Dumping regulations- Technical stagnation- Restrictions

Vielen Dank für ihre Aufmerksamkeit!

The screenshot shows the IMA website with a header featuring the logo and navigation links: Home, Contact Us, My Profile, Sign Out, Enter search criteria..., and a magnifying glass icon. Below the header is a horizontal menu with links: About IMA, Magnificent Magnesium, Awards, Annual Conference, Webinars, and Membership. The main content area features a large image of a climber on a rock face above water, with the text "The Global Voice and Resource for Magnesium" and a link "Why Magnesium? Why IMA? Find out more".

<https://www.intlimg.org/default.aspx>

Einladung: IMA 76th IMA World Conference



The screenshot shows the CRM Alliance website with a header featuring the logo and navigation links: Home, About Us, Critical Raw Materials, CRM News, Events, Policy, Publications, MEP Interest Group, CRM Alliance Members, Join Us, and Privacy Policy. The main content area features a large image of a mineral or ore, with the text "CRM Alliance" and "Promoting the importance of Critical Raw Materials to the European economy".

"Critical Raw Materials play an essential role in the European economy"

<http://criticalrawmaterials.org/>

Einladung: CRM Day Bruessel 20.3.2019
“Transitioning to a low carbon and energy efficient economy: Battery Raw Materials vs CRMs behind the scene”.

