

INCAL 2019

7th International Conference on Aluminium Bhubaneshwar, India

Aluminium downstream market trends - a Global & Indian Perspective -

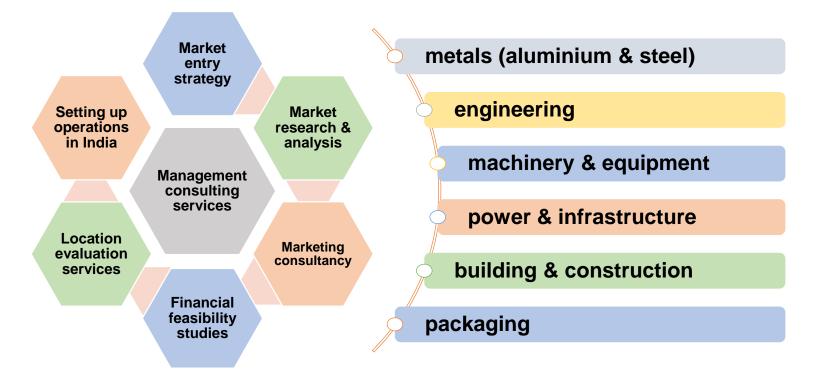
Shanker Gopalkrishnan Madras Consultancy Group, Chennai, India February 1, 2019

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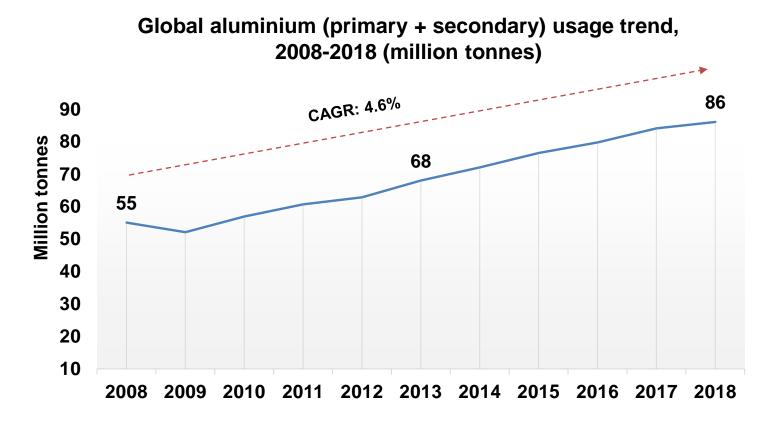
The data and information presented herein have been collated from various primary and secondary data sources by the author and Madras Consultancy Group. This presentation is intended to provide the audience a flavour of the aluminium downstream market trends from a global and Indian perspective. The author and Madras Consultancy Group do not accept any direct or indirect legal liability of any kind for the contents of this presentation. Readers are advised to undertake detailed studies prior to undertaking investment or business decisions.. This presentation remains MCG's intellectual property and no part may be reproduced or circulated without the prior permission of Madras Consultancy Group, 2nd Floor, MN Plaza, 15/16, 3rd Cross Street, Kasturba Nagar, Adyar, Chennai – 600020, India. Mail: shanker@mcg.in

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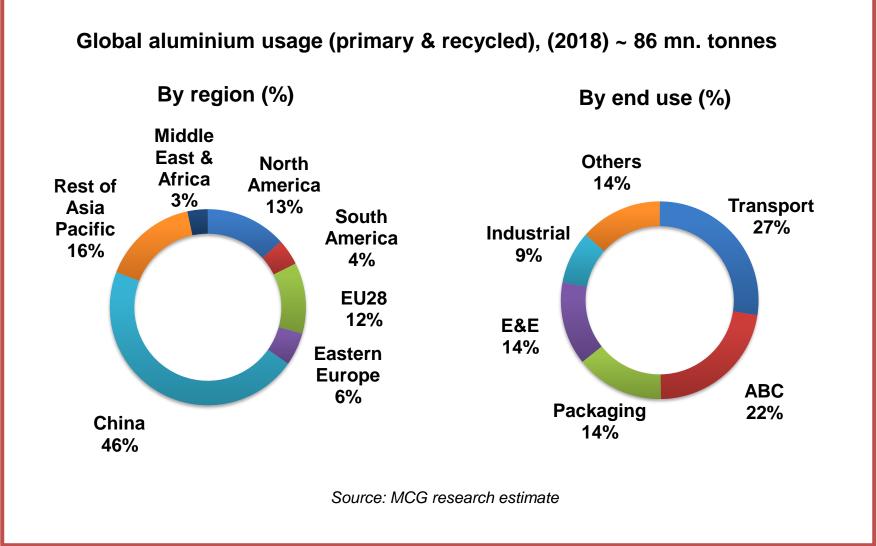
Global aluminium usage increased from about 55 Mn tonnes in 2008 to 86 Mn tonnes in 2018...



Source: International Aluminium Institute (IAI)

 Global aluminium usage is forecast to grow at 4.4% per annum over the next seven years

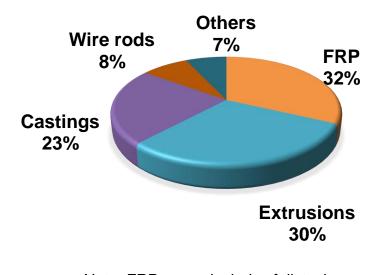
China accounted for about 46% of the global aluminium usage in 2018...



Aluminium FRP and extrusions account for about 62% of the total aluminium usage...

Global aluminium usage by product type

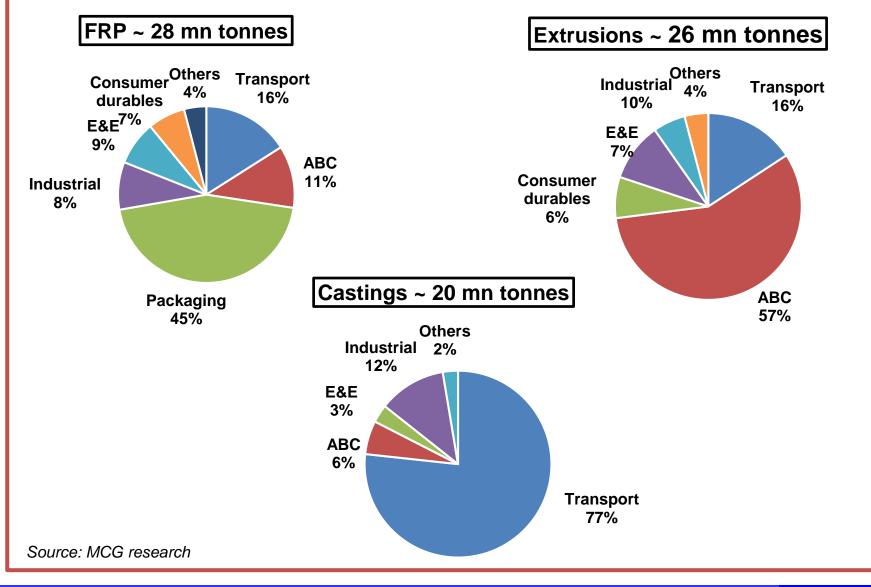
Usage 2018: 86 mn. tonnes



Note: FRP usage includes foilstock Source: MCG research

Product group	CAGR (%) 2018-2025
FRP	4.9
Extrusions	5.2
Castings	3.6
Wire rods	3.3
Source: MCG research	

Pattern of usage varies widely across products & end user segments



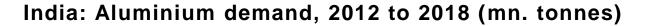
Key drivers in the coming decade

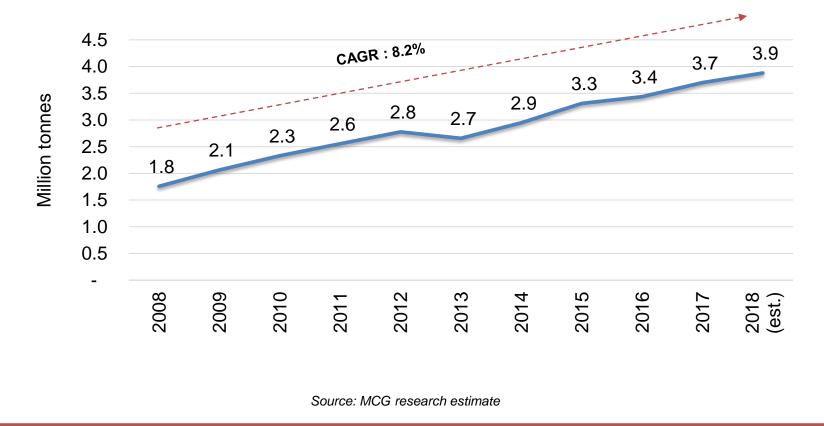
- Transportation sector will continue be at the forefront
 - Light weighting concepts climate change, global warming, growing environmental concerns and so on
 - Emergence of EVs & hybrids
 - Development of all-aluminium pickup trucks
 - Development of high speed, metro/ mono rail networks
- Stricter emission norms and green building initiatives by regional governments
- Large investments in solar energy; aluminium for devices, LED lighting
- Growing demand for environment friendly packaging formats for consumer products, electronic goods and more
- Recycling to the centre-stage

Aluminium downstream market trends - The Indian Perspective -

Aluminium usage in India (primary plus recycled) is estimated at 3.9 million tonnes in 2018...

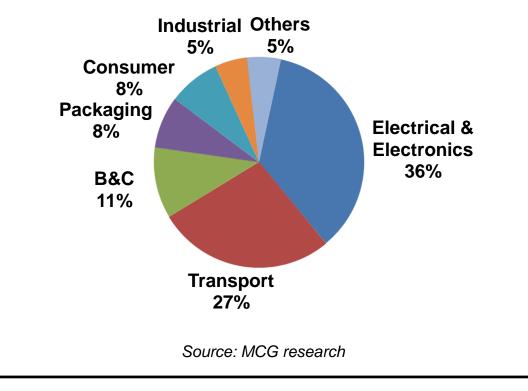
• Aluminium demand is forecast to increase to more than 6 million tonnes by 2015 (CAGR : 7 to 8%)



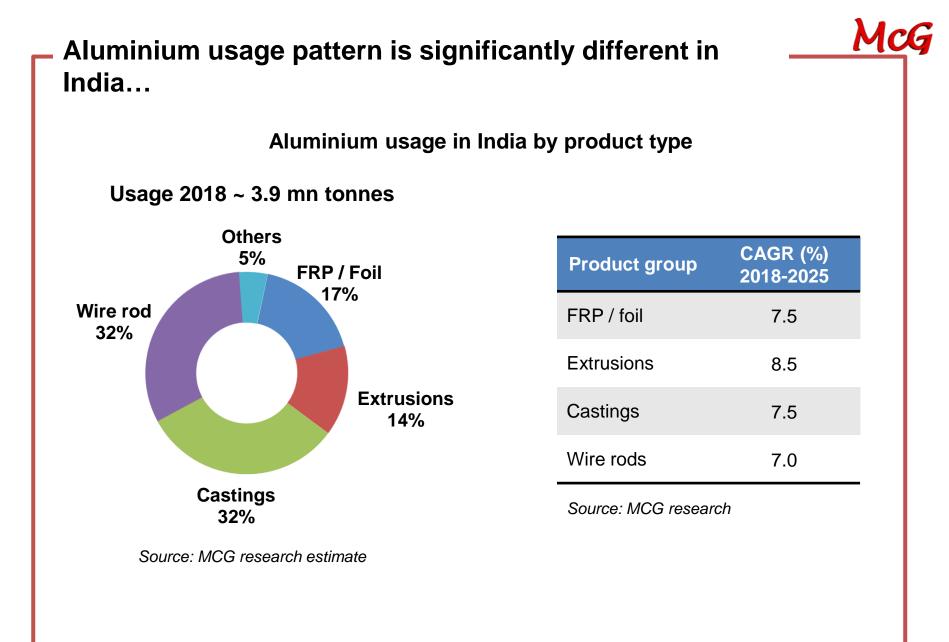


Electrical & electronics sector is the major end user segment in India accounting for 36% of the total usage...

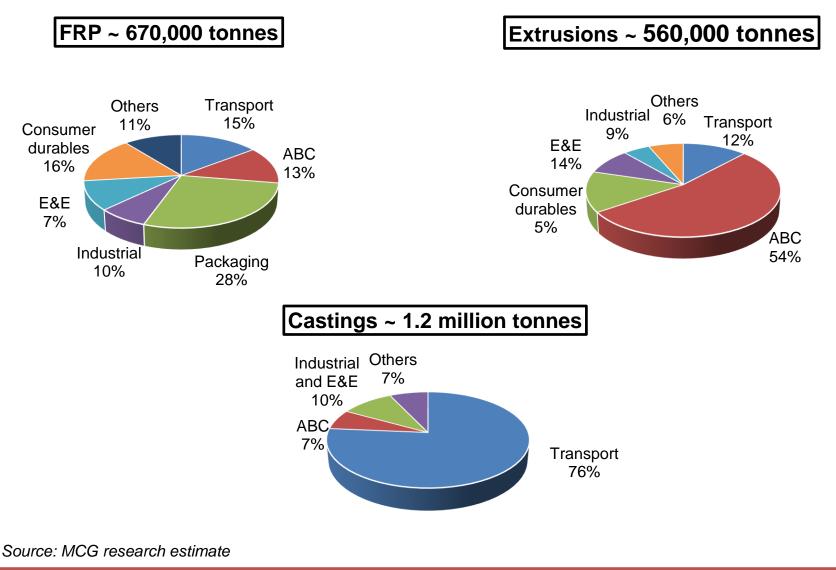
Aluminium usage in India by end use sectors, 2018 Total usage ~ 3.9 mn tonnes



The transportation sector used more than 1 million tonnes of aluminium in 2018



Aluminium downstream products usage by end user sectors in India (2018)...



Key drivers going forward

- Ever expanding transmission & distribution network
- Fast developing solar power market
- Growth in transportation sector
 - increasing automobiles production
 - Government's push towards Electric vehicles
 - Development of highspeed and metro/mono rail networks
- Recovery in the building and construction sector
 - Support from Government schemes and policies
 - Growing awareness on green building concepts
- Demand for consumer durable products driven by burgeoning middle class with spend-power
- Rapid growth in demand for foil fuelled by legislative measures
 against single-use plastics packaging



Thank you !

For further information please contact:

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