

Gli estrusi di alluminio

STRAORDINARIE POTENZIALITA'

INFINITE APPLICAZIONI

CRESCENTE CONTENUTO TECNOLOGICO

4 APRILE 2019

CENTRO CONGRESSI VILLA EVELINA presso l'AZIENDA AGRICOLA GUALBERTO RICCI CURBASTRO & FIGLI

Capriolo (BS), Via Adro 37



Evento organizzato da GMS MILANO e A&L Alluminio e Leghe con il supporto di METEF e CENTROAL

CENTROAL



Presentazione della nuova Business Unit di GMS

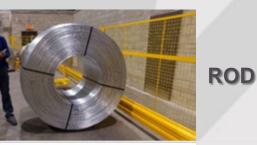
Speakers: **Ing. Flavio Reggiani** *Project Manager & Sales Advisor*

Ing. Carmelo Maria Brocato Marketing & Sales Director



Aluminium Forms

SEMIS <









SLABS



Primary aluminium production in 2018 was in the range of 64,300,000 tons

[http://www.world-aluminium.org/statistics/]

T-BARS

SOWS



 \rightarrow RE-MELT



Aluminium Forms

Applications

Al scrap volume is approximately 25% - 30% of the primary volumes



Secondary Aluminium







Aluminium Ingots Types/Equipment/Applications



OT (Open Top)





CTL (Cut To Length)



Applications









Aluminium Ingots Types/Equipment/Applications

October 2015 Nº 05





Figure 2. View of feed to horizontal continuous caster Foto: HERTWICH ENGINEERING, Brannan-AUSTRIA



Technologies-Foundry

Caster for Cut To Length Ingots

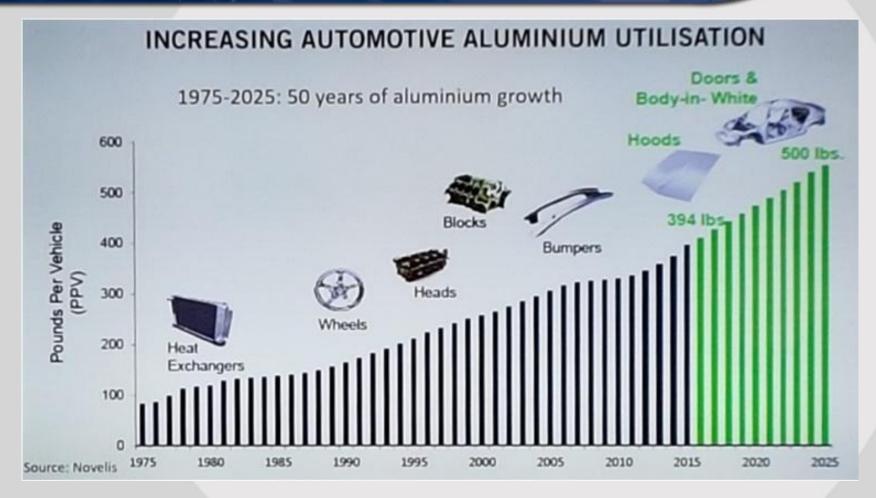


Ingot casting belt with air type cooling syst Liquid metal pouring system

Caster for Open Top Ingots



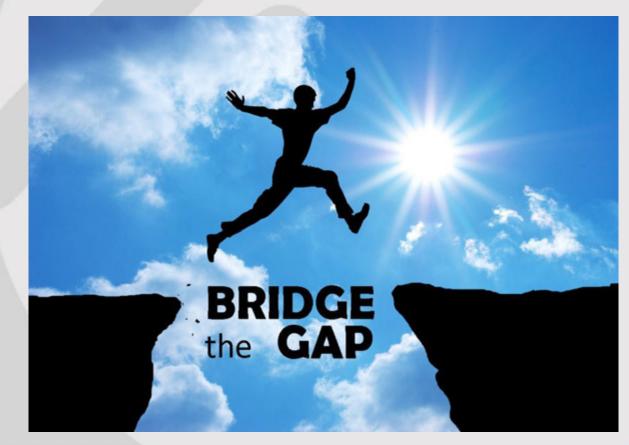
EXPECTED GROWTH OF THE DEMAND OF ALUMINIUM IN AUTOMOTIVE INDUSTRY



A warm thanks to Goran Djukanovic



Despite the CTL (Cut To Length) ingots are the preferred ones by the automotive industry, the sale of continues casting machine is very poor. Why? What is the answer?





Aluminium Rod Equipment/Applications



The Equipment





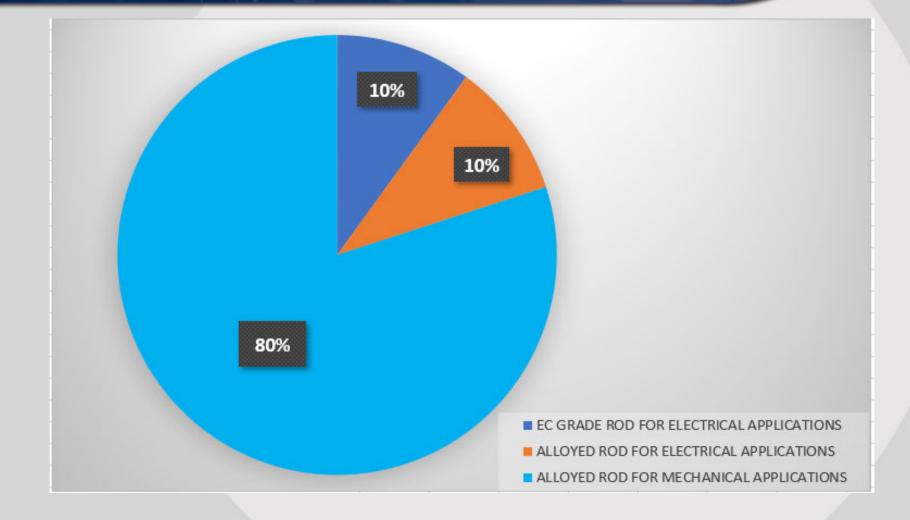






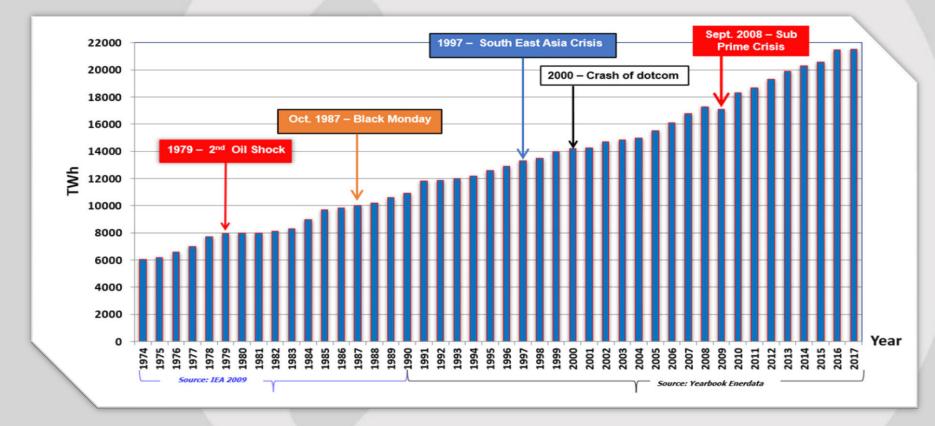


Aluminium Rod Equipment/Applications





AGGREGATED DEMAND OF EE FROM 1947 TO 2017



According to Exxon Mobil the demand of EE in 2040 will be in the range of 32,500 TWh vs 21,000 TWh approx. in 2017





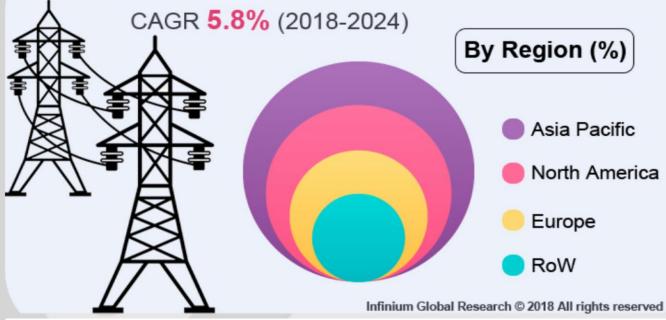


Figure 2



According to the available data, the production of Al Rod in 2017 was in the range of 7.6 million tons on a worldwide basis. Such output has been satisfied by the WRMs supplied by the major OEMs as tentatively summarized in

Ref.	OEM	Number of WRMs in operations	WRMs output
A	Continuus-Properzi	180 approx.	Any from 1.5tph to 15tph
В	Southwire	<10	Any from 1.5tph to 15tph
С	Danieli	1	Though the only WRM in operation has output of 9.5tph Danieli was capable of any size from 1.5tph to 15tph
I D	Chinese/Indian/Russian copies/imitation	290	Only EC grade; max 12,000tpy
E	Clecim	<10	Any from 1.5tph to 15tph
F	HPH Poland	2	Max 6.0tph



....apparently, the users of AI WRMs are going towards the lowest bidder because, maybe, they cannot perceive the gap between various OEMs; maybe there is a gap to brigetherefore a new opportunity.....





Introducing the Speaker – Flavio Reggiani (Project Manager & Sales Advisor)

POLITECNICO DI MILANO

Facoltà di Ingegnenia Dipartimento di Energetica

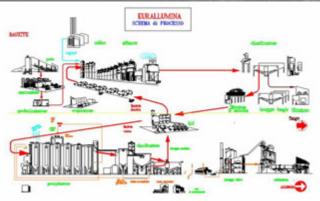


CARATTERIZZAZIONE FLUIDODINAMICA MEDIANTE ANEMOMETRIA LASER DEL MODELLO DI UN BRUCIATORE INDUSTRIALE



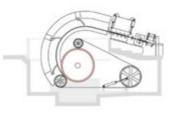


PERSONALE CERTIFICATO Disciplinare FEDERMANAGER Certified Consultant











"The future belongs to those that can hear it coming" David Bowie





Introducing the Speaker – Carmelo Maria Brocato Marketing & Sales Director

1988 - 1990



Air conditioning systems for railway trucks

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bott. Ing. CARMELO MARIA BROCATO

Dacme spa

1990 - 1992



Technical gases O2, N2; Ar, CO2

Ing. Carmelo Maria Brocato Sviluppo Applicazioni Gas

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1992 - 1997

pharmaceutical industry



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Continuus 8 Properzi

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