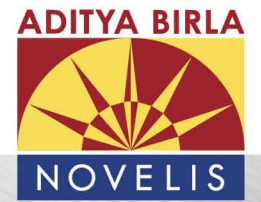
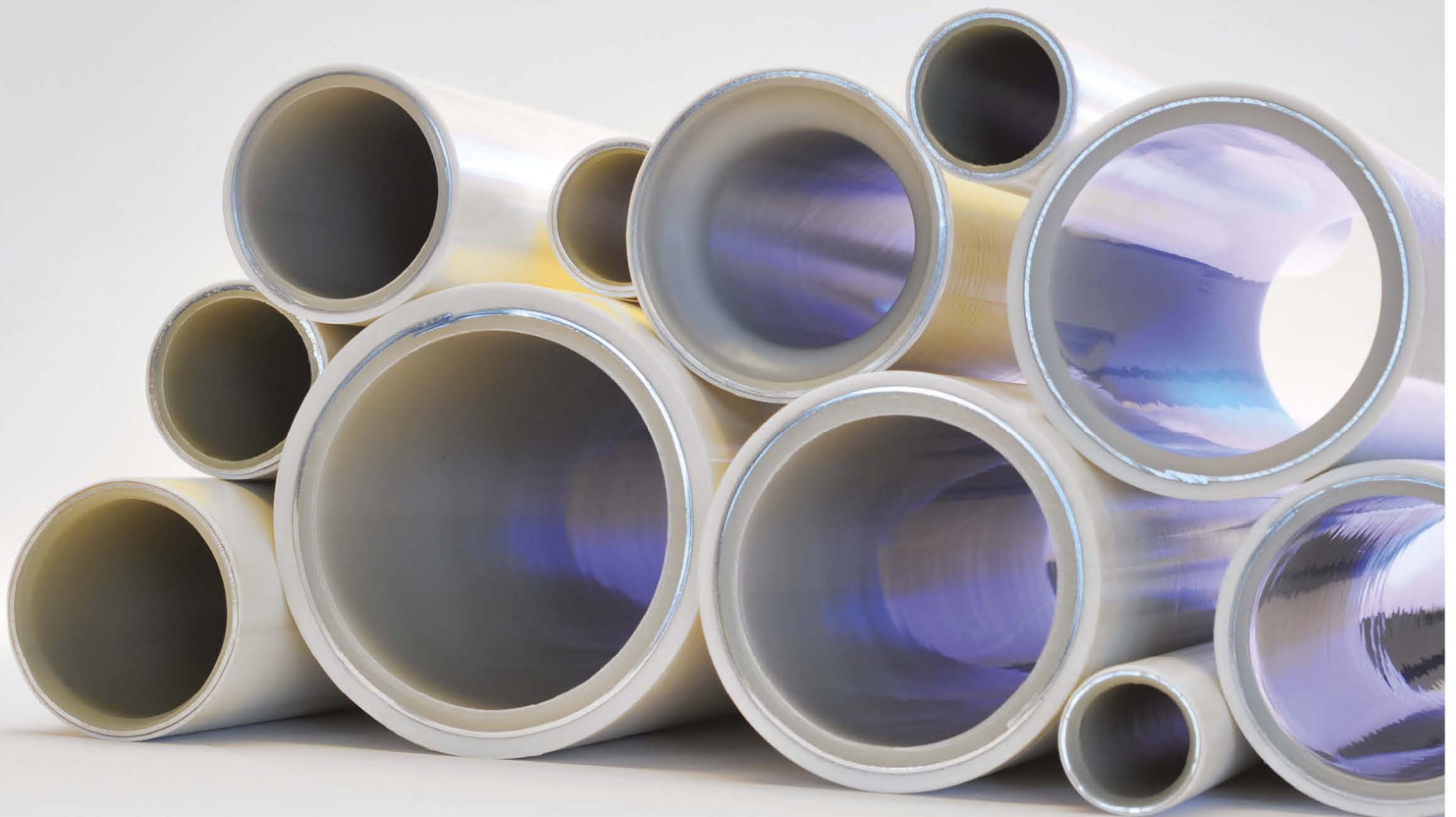


Brighter ideas with aluminium



**NOVELIS**  
Aluminium for Compound Tubes  
**NOVALTUBE™**



# NOVELIS

## Innovation in Aluminium



Novelis is the global leader in rolled aluminium products and aluminium beverage can recycling. Our technical competence and innovation have made us a development partner chosen by leading companies from the automotive, building, printing and packaging industries, among others. With its customer orientation and strong industrial performance, Novelis plays a crucial part in shaping products for the future.

With more than 11000 employees on four continents, Novelis is present globally, and your partner locally.

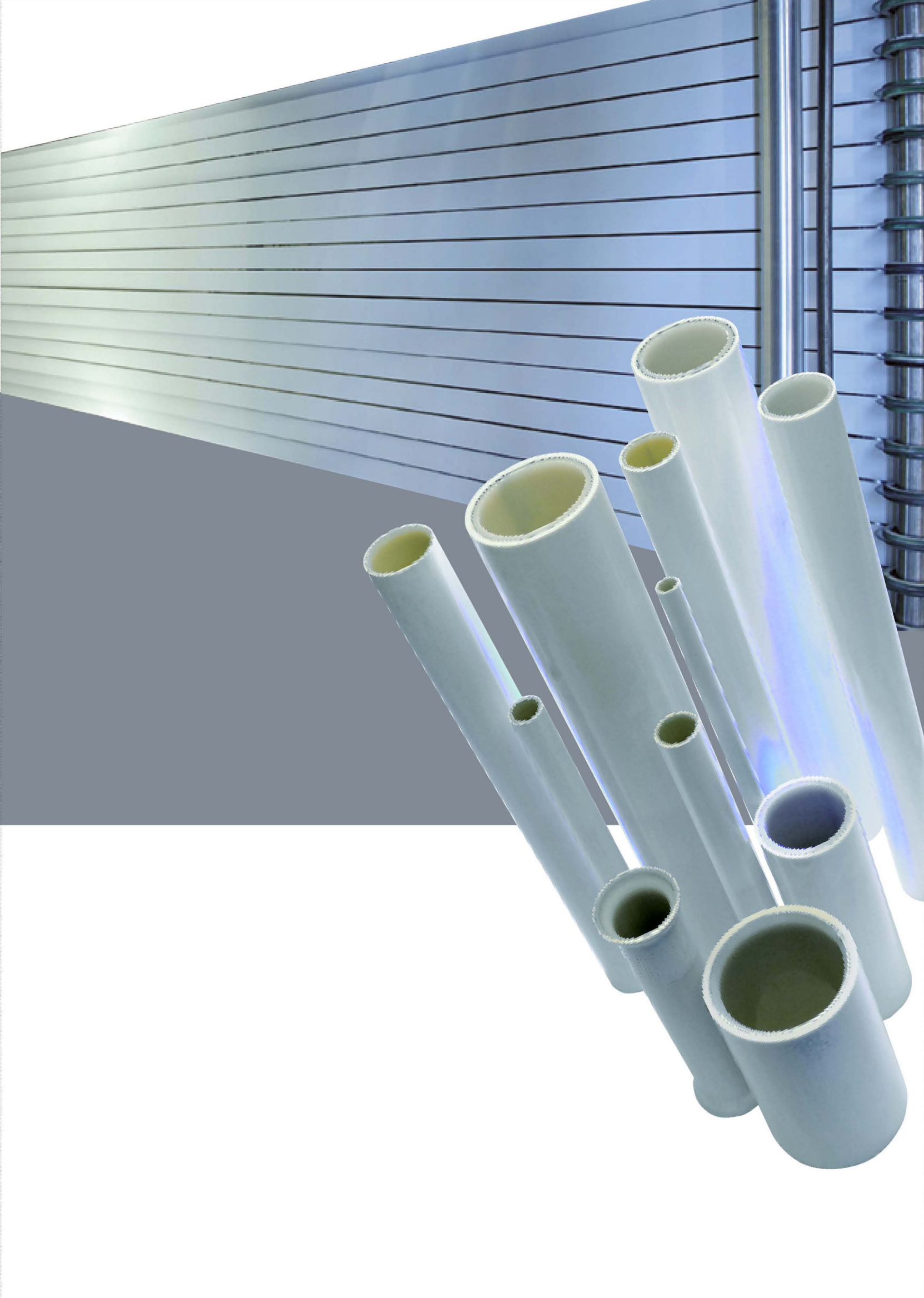
### PHILOSOPHY

With Novelis, customers will find optimal support in achieving top market performance, through prime quality, speed of delivery, and flexibility with our products and our planning and design services, which are continuously being developed and optimised.

The choice of Novelis means the choice of a responsible approach to the environment, and to people. Whether by reusing recycled aluminium cans, cultivating long-term partnerships with leading companies, supporting

social projects, or by designing and determining optimal uses for innovative products. Novelis aims at integrating sustainability into all aspects of its business practices. Interacting with all the stakeholders and with people all over the world, we at Novelis focus our attention on the social, ecological and economic aspects of our business.

**For further information on Novelis, please visit [www.novelis.com](http://www.novelis.com).**



## PERFORMANCE

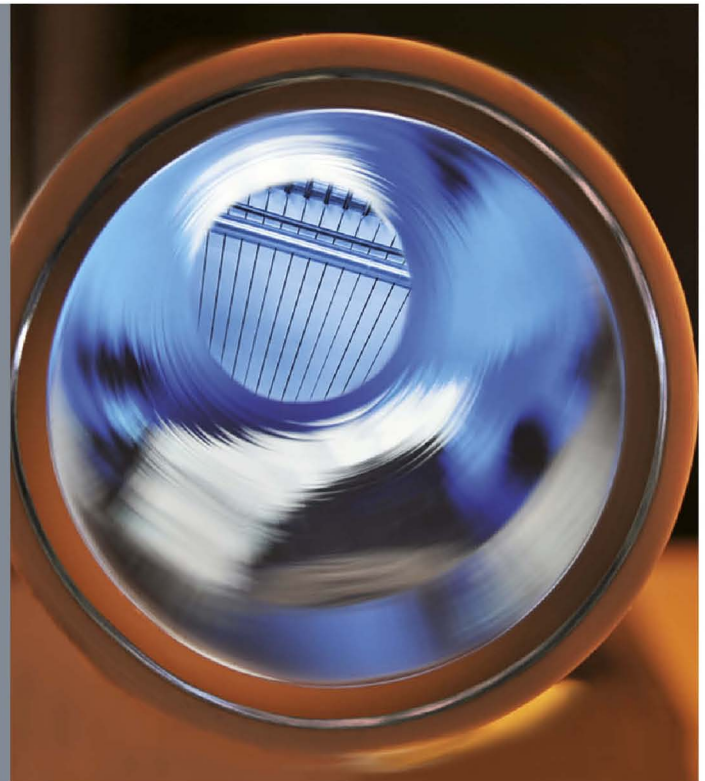
**NOVALTUBE™** ensures that your compound tubes remain in stable condition when bent as well as when straight to facilitate installation.

The aluminium content means that there is only slight thermal length variation, just like with metal tubes. In addition, the tubes become completely oxygen-imper-

meable, which is indispensable when connecting radiators, for example. Using state-of-the-art production facilities and experienced specialists, Novelis ensures top quality in the manufacture of its products – across the entire production process, from casting and processing the ingots via hot and cold rolling, to packaging.

**NOVALTUBE™** aluminium is ideally suited for various compound tube applications, such as:

- Heating engineering
- Drinking water installation
- Cooling technology
- Regenerative energies
- Domestic gas plumbing
- Industrial applications



## TECHNICAL DATA NOVALTUBE™ SPECIFICATIONS

Alloys	Dimensions	Characteristics	Standards
<b>NOVALTUBE™</b> (AA) EN-AW 1xxx	Gauge: 0.20 - 1.5 mm	Temper: H O (soft)	DIN EN 485
<b>NOVALTUBE™</b> (AA) EN-AW 3xxx	Width: min. 30 mm	Surface: cleaned/degreased	
<b>NOVALTUBE™</b> (AA) EN-AW 8xxx	Inside diameter: 400 mm & 500 mm	Roughness: Ra < 0.8 micro	
Novelis FUSION™	Outside diameter: max. 1800 mm		

Novelis supplies aluminium coils for compound tubes according to your specific requirements.

Mechanical properties are determined based on usage and the processing of the material.

The Novelis plants are certified according to the standards EU 14009, and according to:

DIN EN ISO 14001 | OHSAS 18001 & EMAS |  
DIN EN 9001:2008 | ISO TS 16949:2002

# NOVALTUBE™

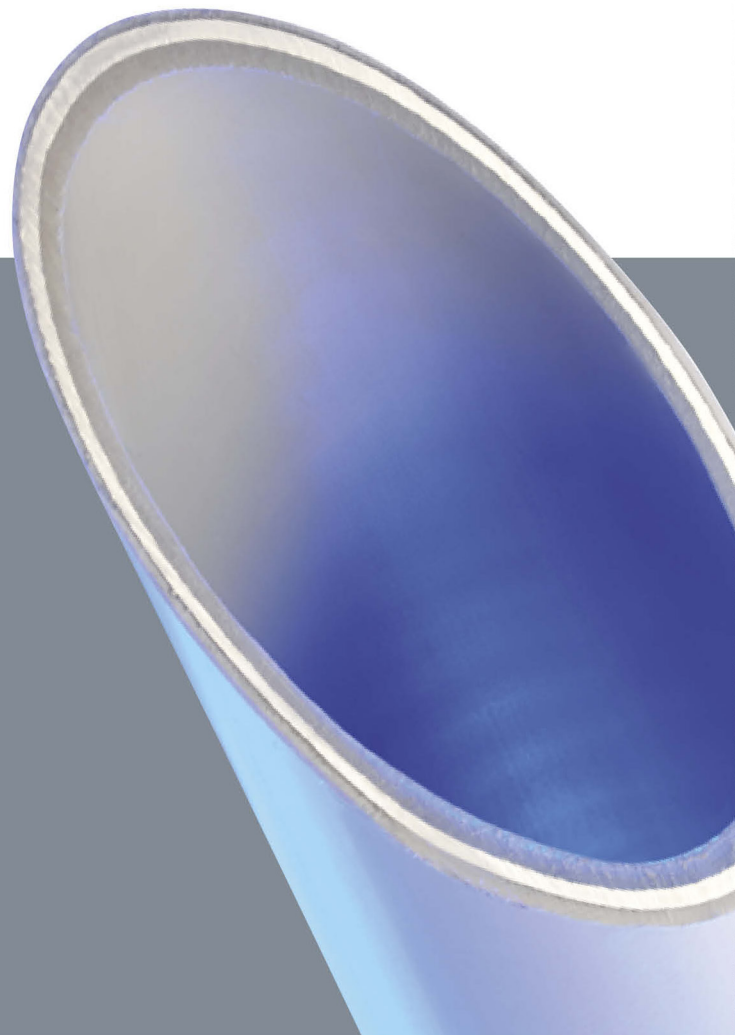
## The ideal aluminium for compound tubes

WE MEET YOUR REQUIREMENTS.

With NOVALTUBE™, developed especially for your requirements, Novelis supplies you with consistently high-quality products as well as excellent processing properties.

Your benefits at a glance:

- Good corrosion resistance
- High stability and flexibility
- Good welding properties
- Great adhesive strength for plastic extrusion
- High pressure resistance



### THE INNOVATION

In order to continue to meet the increasing demands of the compound tube market with the best possible solutions, Novelis operates a Research & Development Centre at our Sierre plant in Switzerland. This centre supports not only plant-specific process requirements, but also continuous targeted research for the further development of our products.

One example of Novelis' innovative strength is Novelis FUSION™, the new aluminium, which is certainly one of

the most important advancements in aluminium processing in the past 60 years. Differing aluminium alloys are cast into one ingot opening up completely new perspectives for future designs.

We are only happy when our customers achieve the best possible results when using Novelis products. Therefore, what counts for Novelis in manufacturing NOVALTUBE™ is not only top product benefits, but also comprehensive technical support.

NOVELIS is the world's largest producer of rolled aluminum and the global leader in beverage can recycling. We are a growth-oriented company, drawing upon our industry-leading technology and expertise to develop and deliver an expanding portfolio of premium rolled aluminum products. Novelis is an important part of the worldwide Aditya Birla Group of companies. By partnering with our customers to bring innovative products to market, by being a leader in recycling, and by operating with a mindset of sustainability, **Novelis makes the world lighter, brighter and better.**

[www.novelis.com](http://www.novelis.com)



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