

# Aluminium Times

**SURVIVE-ARC®**  
ELECTRIC ARC FLASH PPC

**ALU-SAFE®**  
MOLTEN ALUMINIUM SPLASH PPC  
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- Manfred Mertens of EAFA and Hydro Aluminium on 'Aluminium United'
- Photographic review of Aluminium Düsseldorf 14 exhibition
- High premiums reinforce MQP Batchpilot case
- Feature on rolling includes articles from Danieli Fröhling, CNPT and Parkegate Engineering
- Personality Profile this issue is Stephen Augustine of Fives Solios
- Enjoy your day in safety
- Extrusion die ovens
- Novelis Nachterstedt cold rolling plant
- Innoval Technology Quench model
- Saws and cutting
- News, Contracts and People plus an extended Product Information with latest products from Aluminium 14 exhibition
- 13 pages of the Equipment and Materials Purchasing Guide

Today, Fives is not only an equipment supplier...

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

**fives** ultimate machines  
ultimate factory



[modern media communications ltd](http://modernmediacommunicationsltd.com)

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# ... but also an innovative partner that proposes complete solutions for downstream aluminium plants

## LARGE EXPERTISE IN PROCESS INTEGRATION, PROJECT MANAGEMENT AND EXECUTION

- From concept to realization:
  - All interfaces management
  - Selection of the right suppliers and contractors through global sourcing
  - Strong commitment to HSE policy
  - Experience as EPC contractor at Qatalum
  - Casthouse integrator at Alba and Novelis
- Engineering:
  - In-house multi-discipline engineering expertise: process, lay-out and general arrangement, civil works, electrical, instrumentation, structural, mechanical and piping
  - Implementation of the latest 3D design technologies
- Process knowledge:
  - Technology selection expertise
  - Process guarantees



## A RANGE OF PROPRIETARY EQUIPMENT

- Holding & Melting furnaces
- Heat Treatment furnaces
- Metal Moving systems
- Liquid Metal Transfer systems
- Water Cooling plants

## ADVANTAGES

- Proven and robust technologies
- Optimized CAPEX
- Delivery on schedule
- Integration of future plant capacity in the initial design
- Financial support from the Group
- A worldwide network of local subsidiaries for services



200

Aluminium-specialized  
Engineers

60  
years

Experience in the  
Aluminium Industry

13  
millions

Man-hours without  
LTI respectively at  
Ma'aden and Qatalum

Solios Thermal is a Fives Group company

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