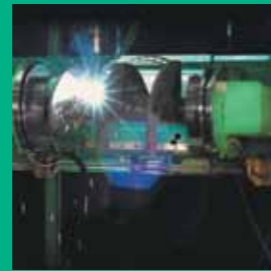


A perfectly controlled technology



WA Cored Wires™
Design and manufacture
of all types of cored
welding wires



WA MultiSurfacer™
Design and manufacture
of automated welding
equipment for hardfacing
and rebuilding applications



WA Integra™ Services
Innovative hardfacing
and rebuilding solutions
by welding



A worldwide presence

**United Kingdom
(Head office)**
Welding Alloys Ltd

Argentina
Welding Alloys Argentina S.A.

Australia (Trading Partner)
Specialised Welding
Products Pty Ltd

Brazil
Welding Alloys Brasil Ltda

China
Welding Alloys China Ltd

Egypt
Welding Alloys Egypt

France
Welding Alloys France SAS

Germany
Welding Alloys Deutschland
Legierungstechnik GmbH
Welding Alloys Deutschland
Schweislegierungs GmbH

Greece
Welding Alloys Hellas EPE

India
Welding Alloys
South Asia Pvt Ltd

Iran
Aliaj Joosh Iran

Italy
Welding Alloys Italiana s.r.l.

Japan
Welding Alloys Japan

Malaysia
Welding Alloys
(Far East) Sdn. Bhd.

Mexico
Welding Alloys
Panamericana S.A. de C.V.

Poland
Welding Alloys Polska Sp. z o.o.

Russia
Welding Alloys Russia

South Africa
WASA (PTY) Ltd

South Korea
Welding Alloys Korea Ltd

Spain
Welding Alloys España

Sweden
Welding Alloys Sweden

Thailand
Welding Alloys (Thailand) Co. Ltd

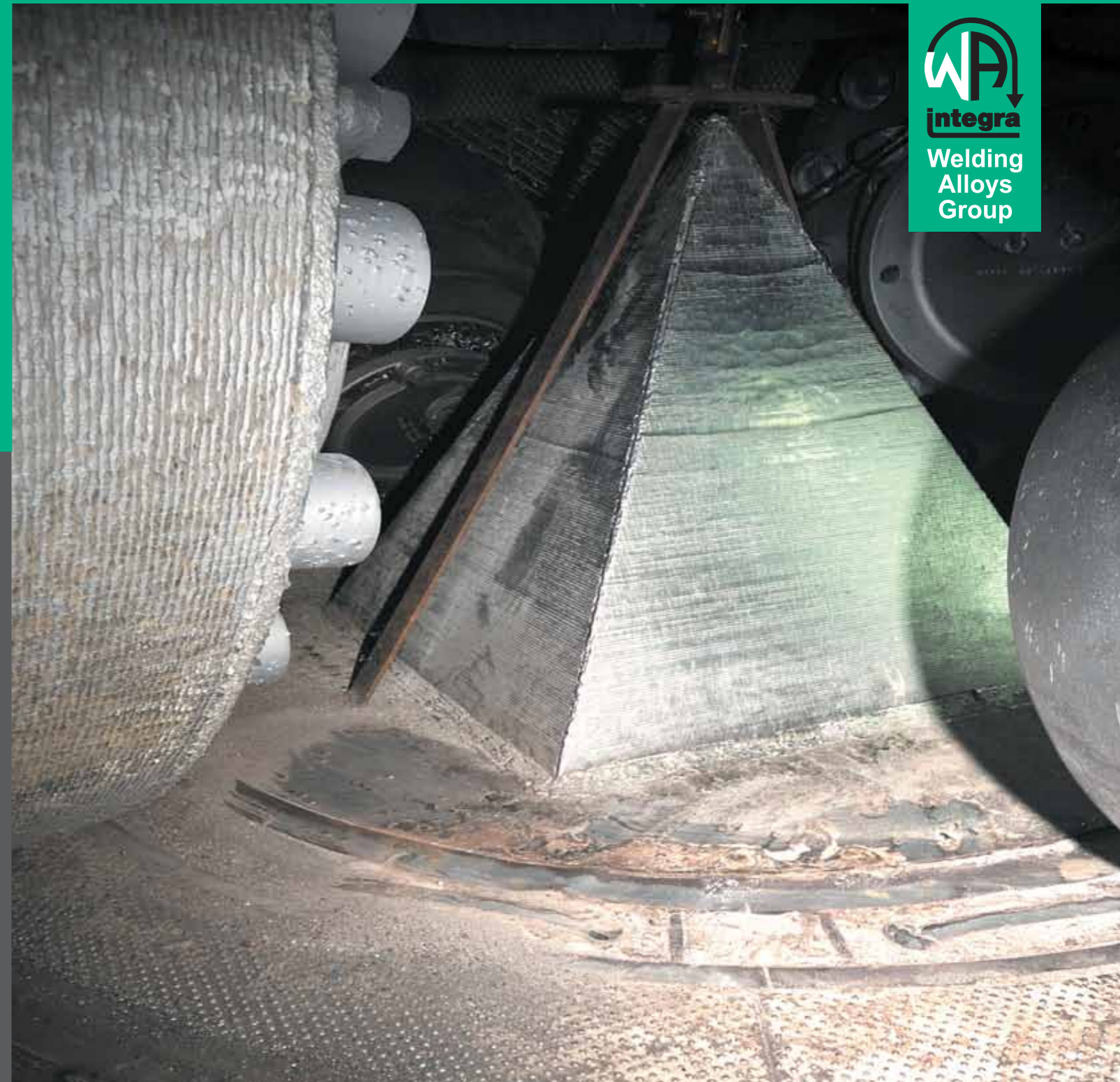
Turkey
Welding Alloys Limited Şirketi

Ukraine
Welding Alloys Ukraine

United Arab Emirates
Welding Alloys
Middle East FZC

USA
Welding Alloys (USA) Inc.

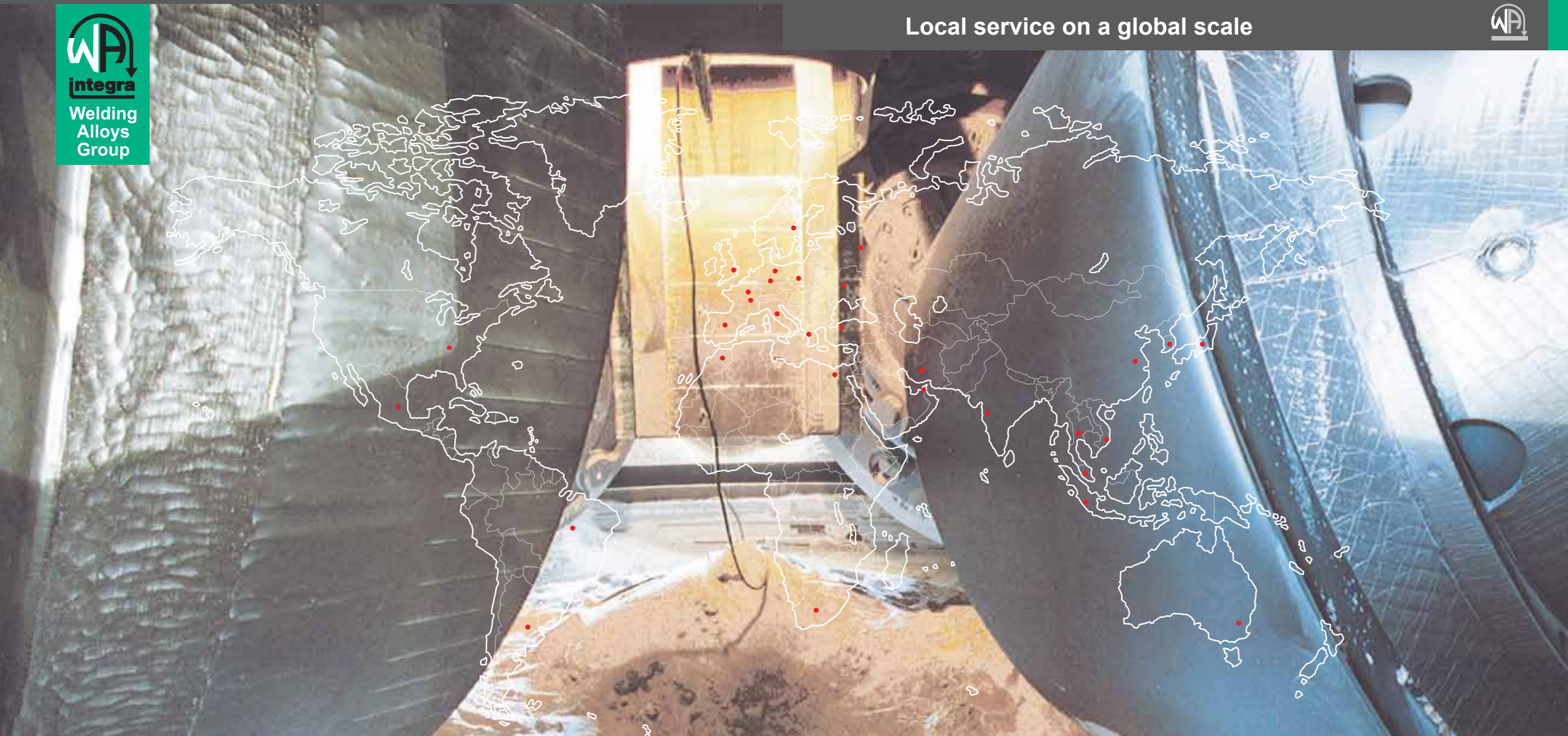
Photography by Caroline Hancox and Rémi Hordiller



www.welding-alloys.com



WA Integra™
Hardfacing and cladding
for more resistant parts



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The Welding Alloys Group is the world's leading manufacturer of cored welding wires, automated welding equipment and provider of specialist services for repair, rebuilding, cladding and hardfacing components to restore parts or to improve service life.

WA Integra is an integrated part of the Welding Alloys Group specifically set up to support industries that require wear control and performance optimisation.

Using the WA Integra hardfacing expertise on components that have been designed, manufactured or used by its clients, the Welding Alloys Group can draw on its long term commitment to in-house research and development, combining mechanical expertise and metallurgical technology.

Globally renowned for the quality of service we provide to industry from our workshops and on-site operations, WA Integra provides a reliable and cost-effective engineering partner for local and international companies alike, leading the way in advanced welding technology.



Integra products and solutions

WA Integra have developed a unique level of expertise in cladding and hardfacing, whether in-situ or in our own Integra Service Centres. Our teams of highly experienced welding engineers have mastered the deposition of noble alloys, with tried and tested processes using Welding Alloys cored wire and automated equipment.

However, Welding Alloys is not only a welding service supplier, our Integra engineers also work with our global research and development teams to produce specific products with unique features and benefits.

Integra Products

Composite wear plates

- **Integra Hardlite®:** Abrasion resistant ultra thin plates designed for applications where weight or thickness is restricted.
- **Integra plates:** A range of wear plates with specific characteristics, satisfying most of the demanding applications in an abrasive environment.
- **Manufactured parts from composite wear plates:** Components and parts made of Hardlite or Integra plates, cut, bent, rolled, slotted, fabricated, assembled or welded.



3-DCarb™

A proven technology to substantially increase the service life of heavily wearing critical parts. 3-DCarb bulk deposits outlast conventional welded protection and castings in resisting against combined wear.



Integra Mill

Integra Mill welding cored wires are specially designed for hardfacing and re-profiling of grinding components in vertical grinding mills for raw, clinker, coal, blast furnace slag and other minerals.

Integra Mill products combined with Welding Alloys application technology are used with outstanding results on rolls and tables of all types: improving the service life, grinding efficiency and energy consumption.



Advanced Components

Specially designed and manufactured machinery components for better productivity and longer service life. Fabricated and hardfaced in our Integra Service Centres according to a specified design, these components incorporate the most advanced corrosion and wear resistance solutions.



Specialists for repair, cladding and hardfacing by welding

Integra Solutions

In partnership with the customers and according to their specifications, Welding Alloys offers a full range of services and several solutions:

- Assessment and analysis of parts and their working conditions; procedure's development, applications and measures control ensuring high standard quality throughout the job.
- Supply of our own designed long lasting and reliable hardfaced components.
- Application of highly efficient cladding or hardfacing procedure with the use of simultaneously operating fully automated welding heads.

Integra Resources

- Welding engineers, certified welders and experienced teams.
- Strategically located fully equipped Integra Service Centres with all handling facilities.
- Multilingual personnel, able to intervene rapidly in any worldwide location. Large international teams can be built to cope with exceptional demand.
- Equipped with the latest Welding Alloys specialised welding equipment.
- Mobile Service Centres: work in-situ with or without disassembly.
- Share of "best working practice" within the Integra Service Centre network.

Integra Guarantees

- Sole use of Welding Alloys controlled and tested consumables.
- Work performed according to procedure specification and qualification established and controlled by qualified engineers. Application carried out by strictly supervised operators.
- Control or non-destructive testing by external certified or independent laboratory upon request.
- Follow up of results.

Integra Safety

- Operators trained and equipped for safety in various environments.
- Training for specific safety certificates feasible.
- Respect of the environment, elimination of welding fumes and residues according to the local legislation.

