



Case Study - Metallurgical

Project location: Spain

Equipment: OptiFlo® RC 6RC288

Our client was a foundry plant that manufactures dredging elements based in Spain.

The customer had an existing ventilation system comprising a simple exhaust fan and ductwork system but required an upgrade to increase the operational volumetric flow rate and to improve emissions in the casting and moulding areas of the plant.

To ensure environmental compliance, the new extraction system was fitted with AAF International's largest OptiFlo® RC comprising of 288 high performance REDClean® cartridges engineered to minimise compressed air usage and maximise filter life. REDClean® is AAF's leading brand of cartridge for a wide range of dust collectors on the market today, including smaller four cartridge units.

Through automatic damper selection fumes generated in the casting and chemical mould areas are exclusively extracted for a maximum of 30 minutes in each casting cycle. After which time a proportion of this area is diverted to the casting cooling zones providing an overall extraction volume for the plant of 400,000 Am³/h (235,431 CFM).

Outcome: By working in partnership with the customer, AAF International was able to maximise extraction requirements, whilst at the same time minimise capital investment by utilising the high performance OptiFlo® RC.





BETTER AIR IS OUR BUSINESS®

Sales Offices:

EUROPE, MIDDLE EAST & AFRICA

AAF Ltd

Bassington Lane, Cramlington
Northumberland, NE23 8AF, UK
Tel: +44 1670 713 477
Email: apc@aafgb.com

AAF S.A.

C/ Urartea, 11
Polígono Ali-Gobeo
01010 Vitoria, Spain
Tel: +34 945 214851
Email: info@aaf.es

AAF France

Rue William Dian
27620 Gasny, France
Tel: +33 2 32 53 60 60
Email: apc@aaf-sa.fr

AAF Srl

Via Lario, 1
22070-Fenegrò (CO), Italy
Tel: +39 031 35 25 311
Email: informazioni@aaf-europe.com

AAF Luftreinigungssysteme GesmbH

Campus 21
Europaring F12 401
2345 Brunn am Gebirge, Austria
Tel: +43 (0) 2236 677 628 0
Email: info.austria@aafeurope.com

AAF International B.V.

Sales Benelux
P.O. Box 101
7800 AC Emmen
The Netherlands
Tel: +31 (0)591 66 4466
Email: aaf.verkoop@aafeurope.com

AAF – Lufttechnik GmbH

Robert-Bosch-Str. 30-32
64625 Bensheim
Germany
Tel: +49 (0) 6251 80368 0
Email: sales.germany@aafgb.com

AAF – Environmental Control Epe

1, Ifaistou & Kikladon
15354-Glika Nera, Greece
Tel: +30 2106632015
Email: greece@aafeurope.com

AAF Hava Filtreleri ve Ticaret AS

Hürriyet Mahallesi
Yakacık D-100 Kuzey Yan Yol No: 49/1-2
34876 Kartal, Istanbul, Turkey
Tel: +90 216 4495164/65
Email: ali.alp@aafeurope.com

AAF International – Middle East

FZS1BC01-BC04, Jebel Ali Dubai, UAE
Tel: 009714 8894886
Email: info@aaf-ae.com

AAF Saudi Arabia Ltd.

P.O. Box 59336 Riyadh 11525,
Kingdom of Saudi Arabia
Tel: +966 1 265 0883
Email: info@aaf-ae.com

ASIA

America Air Filter Manufacturing Sdn Bhd (Asia Regional Office)

Lot 6, Jalan Pengapit, 15/19,
Seksyen 15, 40000 Shah Alam,
Selangor Darul Ehsan, Malaysia
Tel: +603 5039 7733
Email: pni_inquiry@aafmal.com

AAF (Wuhan) Co. Ltd., (China HQ)

33 Che Cheng Road
Wuhan Economic & Technological Development Zone
Wuhan, Hubei Province PR,
China 430056
Tel: +86 27 8447 3671 +86 27 8447 3672
Email: enquiry@aafwuhan.cn

AAF International (Thailand) Co., Ltd.

100 Moo 4 Soi Namdang-Bangplee 44
Bangkaew Bangplee, Samutprakarn 10540,
Thailand
Tel: +66 2738 7788
Email: aafthailand@aafthailand.com

AAF Australia & New Zealand Sales Office

2 Arctic Court Keysborough Victoria 3173
Australia
Tel: +61 (0)3 9701 5251
Email: aafapcsales@aafaus.com

NORTH & SOUTH AMERICA

AAF International

9920 Corporate Campus Drive, Suite 2200
Louisville, KY 40223-5000, USA
Tel: 1 502 637 0011
Toll Free: 1 800 477 1214
Email: apcsales@aafintl.com

AAF, S de RL de CV

Av. Primero de Mayo No. 85,
Col. San Andrés Atenco,
C.P. 54040 Tlalnequatl Edo. De Mexico,
México
Tel: +52 55 5565 520
Email: rcruz@aafintl.com

American Air Filter Brasil Ltda.

Rua Cubatão, numero 86, sala 801.
Vila Mariana-São Paulo-SP 04013-000
Brazil
Tel: +55 11 5567 3028
Email: epires@aafintl.com

www.aaf-environmental.com

© AAF Power & Industrial 2016

The information in this document is the property of AAF Ltd and may not be copied or communicated to a third party, or used for any purpose other than that for which it is supplied, without the express written consent of AAF Ltd.

While this information is given in good faith, based on the latest information available to AAF Ltd, no warranty or representation is given concerning such information, which must not be taken as establishing any contractual or other commitment binding upon AAF Ltd or any of its subsidiary or associated companies.



EMS 548984



FM 01873-ISO 9001