

CURRICULUM VITAE

Proposed position in the programme:

1. **Family name:** Green
2. **First names:** James William
3. **Date of birth:** 1938
4. **Nationality:** British
5. **Civil status:** Married
6. **Education:**

<i>Institution</i>	University of Sheffield
<i>Date: from (month/year): to (month/year):</i>	September 1958 June 1962
<i>Degree(s) or Diploma(s) obtained:</i>	B.Eng (1 st Class Honours) M.Eng in rolling theory

7. **Language skills: (Mark 1 to 5 for competence)**

<i>Language</i>	<i>Reading</i>	<i>Speaking</i>	<i>Writing</i>
English	5	5	5
French	3	3	2
German	3	3	2

8. **Membership of professional bodies:**
Chartered Engineer
Master of Engineering
Member of the Institution of Mechanical Engineers
9. **Other skills (e.g. Computer literacy etc.)**
Fluent in Word Processing, Project Scheduling, PowerPoint and Spreadsheet packages, working knowledge of CAD, Visual Basic and graphics packages.
10. **Present position**
Principal, Rich Green Consultancy
11. **Years within the firm:**
1996 to date
12. **Key qualifications:** Over 50 years experience in rolling and finishing technology of flat and long products including tube, covering the aluminium, carbon and alloy steels, and stainless steel industries

- Project identification and appraisal, market and feasibility studies
- Technical Appraisals of Rolling Mill Operations
- Project Management
- Due diligence & privatisation
- Extensive experience in Central and Eastern Europe
- Troubleshooting
- Economic and Process Modelling
- Expert witness
- Technical Translation (French and German)

13. **Specific Countries experience:**

Eastern Europe

<i>Country</i>	<i>Date: from (Month/year) to (Month/year)</i>
Montenegro	Oct-Nov 2007, May-Jun 2009
Serbia	1974; 2004
Croatia	1980-82; Jan-Mar 2004
Bosnia	1983-5
Russia	Feb to Jun 98, Dec 04 to Apr 05, Jun 07, Oct-Dec 07, Jan 08, Sep 08, Oct 08
Romania	April to May 2000, 2003, April 05, Feb 2006
RS Bosnia in Hercegovina	Jan-Feb 2001, Nov 2004
Poland	April 2000, May to June 2001, Nov 2002 to Mar 2003, Apr 2006
Estonia	April to May 2003
Georgia	Feb to Oct 2006, 2007, Nov 08
Latvia	Feb to Jun 2007
Turkey	Aug to Sep 05, Oct 06, Dec 06, Jun 07, Aug-Sep 08
Kazakhstan	1996-7, Feb-Apr 2005
Ukraine	Jun 2004, Aug to Sep 2006, Jun 08

Asia and Pacific

<i>Country</i>	<i>Date: from (Month/year) to (Month/year)</i>
China (bar & rod, hot strip, cold strip, plate)	2002, 2003, 2004
India (aluminium casting and rolling)	2002
Malaysia (plate, rod, bar and section rolling)	1996 to 2006

Thailand (cold strip rolling)	2003
Philippines (Strip mills)	2000, 2003
Australia (special steels bar and tube)	2000

Americas

<i>Country</i>	<i>Date: from (Month/year) to (Month/year)</i>
Venezuela (seamless tube, galvanising, rails and sections)	1996, 2000, 2007
USA (Tube, bar)	1997, 2000, 2001
USA (Aluminium hot rolling)	1985, 1986, 1987, 1993

Africa

<i>Country</i>	<i>Date: from (Month/year) to (Month/year)</i>
South Africa (Aluminium strip)	2002
Egypt (rod and bar)	2002
Senegal (iron ore)	2005
Nigeria (cold strip)	2007
Nigeria (bar minimill)	Mar-May 2009

14. Professional Experience Record:

<i>Country</i>	Malaysia
<i>from (month/year)</i>	2004
<i>to (month/year)</i>	2006
<i>Location</i>	Singapore
<i>Company</i>	John Foord (Malaysia)
<i>Position</i>	Consultant
<i>Description</i>	Experience in Steel & Associated Industries: Malaysia <ul style="list-style-type: none"> ▪ Technical audit of Perwaja special steels rod and bar mill ▪ Technical audit of Perwaja Heavy Section Mill

<i>Country</i>	Georgia
<i>from (month/year)</i>	2008
<i>to (month/year)</i>	2009
<i>Location</i>	Rustavi
<i>Company</i>	EBRD (LONDON)
<i>Position</i>	Consultant
<i>Description</i>	Experience in Steel & Associated Industries: Georgian Republic

	<ul style="list-style-type: none"> ▪ Lender's Supervisor for carbon steel bar mill
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<i>Country from (month/year) to (month/year)</i>	UK June 1973 January 2009
<i>Location</i>	Epsom, United Kingdom
<i>Company</i>	WS Atkins
<i>Position</i>	Associate Consultant
<i>Description</i>	<p>Experience in Steel & Associated Industries:</p> <p>China</p> <ul style="list-style-type: none"> ▪ Due diligence for LNM Holdings in Nanjing I&S Co, China ▪ Project identification, specification and contract negotiation for Brightwise, PR China ▪ Evaluation of tenders for LNM Cold Rolling plant in China <p>Middle East</p> <ul style="list-style-type: none"> ▪ Expert witness for stainless and alloy bar mill in Egypt, plate and billet quality ▪ 2008 Light section mill concept study for Saudi ▪ 2008 Evaluation of tenders for section mills in Bahrain ▪ 2008 Review of seamless OCTG project in Saudi <p>Poland</p> <ul style="list-style-type: none"> ▪ Technical due diligence of Huta Katowice, Huta Sendzimira, Huta Florian, Huta Cedler and Huta Czestochowa, to support privatisation bid by Ispat International, <i>for LNM Holdings</i> ▪ Technical due diligence of Huta Ostrowiecs and Huta Zawierce for Stalexport <p>Latvia</p> <ul style="list-style-type: none"> ▪ Technical specialist on new bar and rod mill <p>Georgia, CIS</p> <ul style="list-style-type: none"> ▪ Technical specialist on restructuring of Rustavi, including bar mill and seamless tube mill. <p>Russia</p> <ul style="list-style-type: none"> ▪ 2008 Due diligence and progress reviews on seamless tube finishing equipment at PNTZ <p>Romania</p> <ul style="list-style-type: none"> ▪ Technical due diligence of COST (stainless steel) as part of Romanian privatisation programme. ▪ Expert witness for Romanian Government on CSR Resita billet, section and rail mills privatisation claim. ▪ Technical review of Siderca, Calarasi, rail rolling and finishing facilities, for ISPAT India <p>Serbia</p> <ul style="list-style-type: none"> ▪ Project evaluation of FOB Belgrade (grey iron foundry) ▪ Technical audit of steel Cold Strip complex in Serbia in

	<p>Bosnia Hercogovina.</p> <p>Ukraine</p> <ul style="list-style-type: none"> ▪ Due diligence on bloom, billet and bar mills <p>Estonia</p> <ul style="list-style-type: none"> ▪ Review of performance of newly started Hot Dip Galvanising Line. <p>Czech Republic</p> <ul style="list-style-type: none"> ▪ Evaluation of plate mill complex. <p>Elsewhere:</p> <ul style="list-style-type: none"> ▪ Due diligence for Ispat Karmet, Kazakhstan ▪ Technical audit of NSC Philippines Strip Mills ▪ Project concepts, design and management in flat and long products mills in Morocco, Finland, Mexico and elsewhere. ▪ Rationalisation of special steel bar mills in Sheffield UK ▪ Expert witness for litigation in Portugal, Egypt, India ▪ Iron ore exploitation in Senegal for Mittal
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<i>Country from (month/year) to (month/year)</i>	UK August 2006 January 2009
<i>Location</i>	London
<i>Company</i>	Metals Consulting International
<i>Position</i>	Consultant
<i>Description</i>	<p>Ukraine</p> <ul style="list-style-type: none"> ▪ 2006 and 2008 Technical specialist on rolling and finishing departments of hot and cold strip mills, tinning lines at Zaporizstal, for Austrian bank <p>Poland</p> <ul style="list-style-type: none"> ▪ 2006 Technical specialist on bar and plate rolling at Zlomrex <p>Turkey</p> <ul style="list-style-type: none"> ▪ 2005 Due diligence on rolling and finishing departments of hot and cold strip mills and wire rod mill. (for OYAK) ▪ 2007 Roll pass design study on billet / section mill (Isdemir) ▪ 2007 Capacity calculation of hot strip mill (Isdemir) <p>Saudi Arabia</p> <ul style="list-style-type: none"> ▪ 2007 Technical advisor on smelting and finishing project <p>Nigeria</p> <ul style="list-style-type: none"> ▪ 2007 Technical advisor on cold strip rolling project ▪ 2009 Technical advisor on steelmaking, casting and bar

	rolling Russia <ul style="list-style-type: none"> ▪ 2007 Technical advisor on plate mill and pipe welding ▪ 2008 Technical specialist on concepts for OCTG expansion
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<i>Country from (month/year) to (month/year)</i>	UK October 2006 November 2008
<i>Location</i>	London
<i>Company</i>	Hatch Corporate Finance
<i>Position</i>	Consultant
<i>Description</i>	<ul style="list-style-type: none"> ▪ Technical specialist on rod and bar mill (confidential client) ▪ Due diligence in Scandinavian rod and bar mills

<i>Country from (month/year) to (month/year)</i>	Turkey October 2006 November 2008
<i>Location</i>	Erdemir, Isdemir, Celbor
<i>Company</i>	Hatch Associates Canada (for OYAK)
<i>Position</i>	Consultant
<i>Description</i>	<ul style="list-style-type: none"> ▪ Technical specialist on valuation of rolling and finishing departments of hot strip and plate mills, wire rod mill and seamless tube plant .

<i>Country from (month/year) to (month/year)</i>	UK February 2005 February 2006
<i>Location</i>	West Byfleet, UK
<i>Company</i>	Mouchel Parkman, UK
<i>Position</i>	Consultant
<i>Description</i>	Kazakhstan <ul style="list-style-type: none"> ▪ 2005 Advisor on fire damage losses to Hot Strip Mill and implications for integrated Iron & Steel operations in Mittal Karmet Romania <ul style="list-style-type: none"> ▪ 2006 Advisor on ice damage in integrated works at Galati

<i>Country from (month/year) to (month/year)</i>	UK 1996 Dec 2004 to January 2009
<i>Location</i>	London
<i>Company</i>	Hatch Beddows
<i>Position</i>	Consultant
<i>Description</i>	<p>Turkey</p> <ul style="list-style-type: none"> ▪ 2008 Verification of completion, and capacity assessment at Isdemir hot strip mill <p>Russia</p> <ul style="list-style-type: none"> ▪ 1997 Technical appraisal and due diligence of seamless and welded tube works at Seversky Tube Works, Polevskoy, as part of privatisation program. ▪ 2005 Technical expert on business plan for pipe making in four large works. <p>Middle East</p> <ul style="list-style-type: none"> ▪ 2008 Technical expert on proposal for seamless OCTG mill <p>Elsewhere:</p> <ul style="list-style-type: none"> ▪ Technical appraisal of seamless tube mills in Venezuela ▪ Techno-economic modelling of USA tube mill project. ▪ 2005 Technical review of ARTROM tube plant in Slatina, Romania

<i>Country from (month/year) to (month/year)</i>	UK October 2004 November 2008
<i>Location</i>	London
<i>Company</i>	Global Steel Consultants
<i>Position</i>	Technical Specialist
<i>Description</i>	<ul style="list-style-type: none"> ▪ 2004 Advisor on technical review of seamless tube, galvanising and cold drawing plant in Italy for confidential client ▪ 2007 Due diligence on EAF mini mill for bar in Georgia CIS ▪ 2007 Due diligence on EAF mini mill for bloom, billet, bar in low alloy steels in Montenegro ▪ 2009 Technical advisor on rebar rolling in Montenegro

<i>Country from (month/year) to (month/year)</i>	Croatia January 2004 April 2004
<i>Location</i>	Sisak and Split

Company	PriceWaterhouseCooper, Czech Republic
<i>Position</i>	Consultant
<i>Description</i>	<ul style="list-style-type: none"> Process technologist for privatisation plan of seamless tube mill, welded pipe mill and finishing in Sisak, and for bar mill in Split.

<i>Country</i>	Bosnia i Hercogovina
<i>from (month/year)</i>	January 2001
<i>to (month/year)</i>	Feb 2001
<i>Location</i>	Banja Luka
Company	USaid
<i>Position</i>	Consultant
<i>Description</i>	<ul style="list-style-type: none"> Technical appraisal and due diligence of UNIS Derventa welded tube works as part of privatisation program.

<i>Country</i>	Australia
<i>from (month/year)</i>	May 2000
<i>to (month/year)</i>	November 2000
<i>Location</i>	London & Germany
Company	CORUS Consulting
<i>Position</i>	Consultant
<i>Description</i>	<ul style="list-style-type: none"> Advisor on tube and bar rolling and finishing for specialty steels project in Australia.

<i>Country</i>	UK
<i>from (month/year)</i>	1980
<i>to (month/year)</i>	1996
<i>Location</i>	Poole
Company	Davy McKee
<i>Position</i>	Project Engineer
<i>Description</i>	<p>Bosnia</p> <ul style="list-style-type: none"> Identification and development of project for complete aluminium strip casting, rolling and finishing plant at Mostar for <i>Energoinvest</i>. <p>Croatia</p> <ul style="list-style-type: none"> Project management of aluminium foil rolling plant in Sibenik for <i>TLM</i> <p>Elsewhere:</p> <ul style="list-style-type: none"> Turnkey proposal and design projects in many countries

<i>Country</i>	UK
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<i>from (month/year)</i>	1962
<i>to (month/year)</i>	1973
<i>Location</i>	Sheffield
<i>Company</i>	British Steel
<i>Position</i>	Development Engineer
<i>Description</i>	Experience in Steel & Associated Industries: <ul style="list-style-type: none"> ▪ Many development projects on long and flat products mills in the UK.

15. Other Key Projects

- Expert witness on billet quality for **Turkish** client
- Technical study on lead sheet rolling in **Eire** (2005)
- Expert witness on straightening of rails and sections for CORUS, **UK** (2005)
- Advisor on iron & steel process technologies for Shell Global, training of sales engineers in **China**. (2002)
- Technical audit of cold strip mill in **Thailand** (2003)
- Investigation of claim for restoration of sea damaged rolling mill equipment in Cartersville, Ga, **USA**. (2000)
- Viability study for aluminium fin stock production in **Scandinavia** (2002)
- Technical review of **Indian** aluminium rolling and finishing plant (2002)
- Creation of hot and cold rolling process model for firm of mill designers in **UK**. (2003)
- Advisor on galvanising in **Venezuela** and **Malaysia** (2000)