



PLASTICS  
CONSULTANCY  
NETWORK

# Consultant Directory



**Serving the polymer  
industry since 1988**



## What we do (at a glance)

- **Graham Chetwood:** Cost reduction from improved purchasing.
- **Terence Cooper:** Bioplastics, sustainable packaging, recycling & recovery.
- **Peter Cox:** Extrusion & multi-layered plastics.
- **Peter Cracknell:** High-quality on site polymer training & consultancy services.
- **Gerhard Crossman:** Turnaround & process improvements, change management.
- **John Duncan:** Thermal, dynamic mechanical & dielectric analysis.
- **Keith Freegard:** Recycling and environmental
- **John Gearing:** Thermal testing.
- **John Gibbins:** Recycling from materials to equipment.
- **Sarah Greenwood:** Packaging.
- **Trevor Hutley:** Global polymer industry, research & innovation advisor.
- **Michail Kalloudis:** Testing, research/development & failure analysis.
- **Robin Kent:** Energy surveys & energy management.
- **Pravin Mistry:** Global: mergers & acquisitions, recruitment, chairman, SHEQ systems.
- **Mike Newey:** Extrusion specialist, tool design and training.
- **Jeremy Pingstone:** Injection moulding. Education, skills & apprenticeships.
- **Fabrizio Rizzato:** Thermoset polyurethanes from chemistry to equipment.
- **Eddie Sheridan:** Market research, materials, packaging & improvement.
- **Bernard Sinclair:** Product design.
- **Robert Tomlinson:** Providing solutions to processing problems.



# PLASTICS CONSULTANCY NETWORK

## Why use the PCN?

The PCN is a professional network of the best independent plastics consultants in the world.

Every PCN member is an independent, highly qualified and experienced plastics consultant.

PCN members are not only located around the world but also work around the world.

Membership is controlled and is restricted to professional consultants. All PCN members have a proven track record in plastics consultancy and years of experience in industry. They can bring this experience to your company at a fraction of the cost of hiring in-house resources.

All PCN members are committed to helping their clients find effective solutions, actively, quickly, creatively and at minimum cost.

Selecting a PCN member consultant guarantees a professional response to a professional need.

The PCN - for all you need to know about plastics, from the experts.

**[www.pcn.org](http://www.pcn.org)**





	Materials and design					Processing							Secondary operations				
	Additives	Analysis	Materials	Product design	Tooling	Blow moulding	Compounding	Equipment	Extrusion	Health & safety	Injection moulding	Recycling	Thermofforming	Thermosets & Polyurethanes	Fastening	Finishing	Testing
Graham Chetwood																	
Terence Cooper			●				●										
Peter Cox						●			●								
Peter Cracknell			●								●		●				
Gerhard Crossman									●		●						
John Duncan		●	●														●
Keith Freegard			●									●					●
John Gearing		●															
John Gibbins			●					●				●					
Sarah Greenwood									●								
Trevor Hutley			●				●										
Michail Kalloudis		●	●														●
Robin Kent			●														
Pravin Mistry			●				●										
Mike Newey				●	●			●	●								
Jeremy Pingstone											●						
Fabrizio Rizzato	●		●											●			
Eddie Sheridan			●														
Bernard Sinclair				●							●						
Robert Tomlinson					●	●					●						



PLASTICS  
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www.pcn.org

		Commercial						Markets				Other skills						
		Business improvement	Environmental	Expert witness	Export & import	Market research	M & A	Automotive	General	Medical	Packaging	3D printing & additive manufacturing	Authoring	Degradation	Project management	Recruitment	Trouble shooting	Training
	Graham Chetwood	●			●	●					●			●				
	Terence Cooper		●	●						●			●					
	Peter Cox									●								●
	Peter Cracknell						●		●									
	Gerhard Crossman	●						●										
	John Duncan					●				●								●
	Keith Freegard		●											●				
	John Gearing																	
	John Gibbins		●											●	●			
	Sarah Greenwood		●							●				●		●		
	Trevor Hutley					●	●											●
	Michail Kalloudis							●									●	
	Robin Kent	●	●					●				●						
	Pravin Mistry	●				●									●			
	Mike Newey																	●
	Jeremy Pingstone					●								●		●	●	
	Fabrizio Rizzato						●	●										
	Eddie Sheridan	●	●			●				●								
	Bernard Sinclair			●					●								●	
	Robert Tomlinson								●								●	

SSC Consult, 88 Route de St Nom, 78620 L'Etang La Ville, France

Tel: +33 (0) 139 16 44 73  
Mobile: +33 (0) 625 00 23 77  
E-mail: gchetwood@ssc-consult.eu  
Web: www.ssc-consult.eu

**Specialities;** Business improvement, Export and import, Market research, Packaging, Project management.

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## Dr. Terence A. Cooper

The logo for ARGO Group International, consisting of a grey 3D rectangular box with the text "ARGO Group International" in blue and "Global Polymer Consultants" in black below it.

**ARGO Group International**  
Global Polymer Consultants

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Mobile: +1 302 420 9467  
ARGO Group International, 11 Offley Road, Sandbach, CW11 1GY, UK  
Tel: +44 (0) 2032 860 930  
Mobile: +44 (0) 7963 006 941  
E-mail: tacooper@argopolytech.com  
Web: www.pcn.org/Cooper.htm

**Specialities;** Materials & formulation, Applications & markets, Compounding, Environment & sustainability, Biobased, Renewable, (Bio)degradable, Compostable & Water soluble plastics, Functional polymers/blends, Packaging, Recycling and Recovery.

ARGO Group is a global polymer consultancy providing specialized services in chemical and polymer science, materials technology and market and applications development in North America, Europe, Japan and other international markets. We provide services globally in the following areas:

New product, process, market and applications development in bioplastics (biobased, renewable, biodegradable and compostable) and water-soluble plastics.

- Polymer and plastics formulation, compound and process development.
- Development of biofuels, biobased and renewable chemicals, monomers and plastics.
- Packaging technology, package design and use, environmental issues and sustainability.
- Recycling and recovery technology and end-of-cycle processes (waste-to-energy, fuels, monomers and downstream chemicals).
- Strategic market analysis and research, development and technology portfolio evaluation.

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## Dr. Peter Cox



Peter Cox Associates, 19A Oxford Street, Lambourn, Berks, RG17 8XS, UK

Tel: +44 (0) 1488 720 27  
Mobile: +44 (0) 7713 608 302  
E-mail: [drpeter.cox@pca-materials.com](mailto:drpeter.cox@pca-materials.com)  
Web: [www.pca-materials.com](http://www.pca-materials.com)

**Specialities;** Extrusion (Mono and Multilayer, Pipe and Tube), Expert witness, Training, Packaging Products, Blow moulding (Multilayer).

Peter Cox Associates is a leading consultancy for multilayer extrusion structures and polymer related properties. We provide the following services:

- Advice on structures required for multilayer products.
- Extrusion -Mono and Multilayer pipe (especially multilayer structures as used in cold/hot water applications) and tube.
- The design of extrusion dieheads to produce multilayer products for extrusion and blow moulding applications including recycling applications.
- In house teaching on single screw extrusion and product lines.
- Technical consultancy on extrusion and polymer issues.
- Rheology and melt properties of polymers.
- Training for extrusion technology applications.
- Training for the properties of multilayer and laminated structures and how to manufacture them including extrusion by sheet, cast and blown film or tube and blow moulding and laminating.
- Expert witness reports on polymer products and production means.

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## Peter Cracknell



PSC Associates, 9 Saffron Close, Shoreham-by-Sea, West Sussex, BN43 6JF, UK

Tel: +44 (0) 1273 885 914  
E-mail: [peter.cracknell3@ntlworld.com](mailto:peter.cracknell3@ntlworld.com)  
Web: [www.pcn.org/Cracknell.htm](http://www.pcn.org/Cracknell.htm)

**Specialities;** Materials, Tooling, Expert Witness, Troubleshooting, Training.

PSC Associates is a leading online training company, delivering polymer engineering degree modules in Plastic Materials and Plastic Part Design for a number of universities and companies worldwide.

Our services include:

- Onsite Plastic Materials Training, including: Commodity, Engineering and High Performance Plastics. Plastic injection mould design and plastic part design courses.
- Assessment of training requirement, design and delivery of bespoke onsite short courses within the UK and overseas.
- Consultancy and Troubleshooting on Injection Moulding, Vacuum Forming, Processing/Tooling and Plastics Materials Selection.
- Expert Witness reporting on Mould Tooling, Plastic Part Design and Plastic Materials selection.

Many years of experience working in the polymer Automotive, Medical, Aerospace and Packaging sectors.

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## Gerhard Crossman



Forester Business Consulting Ltd., 1 Church Lane, Sproughton, Suffolk IP8 3BA, UK

Tel: +44 (0) 1473 463 440  
Mobile: +44 (0) 7889 034 975  
E-mail: [gcrossman@fbc-ltd.com](mailto:gcrossman@fbc-ltd.com)  
Web: [www.fbc-ltd.com](http://www.fbc-ltd.com)

**Specialities;** Extrusion and injection moulding (PVC, PE, PP, GRP), Building products, Packaging products, general business advice for profitability improvements and turnarounds, Project management and LEAN support.

**"Helping your business succeed"** - not just under challenging economical conditions.

For more than 20 years we provide professional strategic business advice on successful business transformation and sustainable operational performance improvements for the European industry.

Main areas of activity range from hard and soft plastics processing to food and pharma packaging. Our focus is on maintaining operational excellence through sustainable operational and financial improvements and long-term partnerships with our international client base.

For more information and a full project list please visit either our website [www.fbc-ltd.com](http://www.fbc-ltd.com) or my personal profiles on [LinkedIn](#) or [Xing](#).

We look forward to your enquiry.

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## Dr. John Duncan



Lacerta Technology Ltd., 80 Hathern Road, Shepshed, Leicestershire, LE12 9GX, UK

Tel: +44 (0) 1509 828 890  
E-mail: [john.duncan@lacerta-technology.com](mailto:john.duncan@lacerta-technology.com)  
Web: [www.lacerta-analytical.com](http://www.lacerta-analytical.com)

**Specialities;** Analysis, Materials, Testing, Training, Instrument servicing.

Lacerta Technology offers Contract Research for assistance and advice on materials' development and characterisation of mechanical and thermal properties over a wide temperature range and in controlled environments, for example air, nitrogen, fluid immersion and varying relative humidity. Dynamic mechanical and dielectric analysis are particularly sensitive to changes in polymeric structure in the solid state, for example with blends, the effect of cooling rate and the degree of cure for thermoset resins. Detailed analysis can assist in the optimisation of processing conditions.

Contract thermal analysis work, using the following techniques: DSC, DMA & DETA and the novel identiPol QA, specifically designed for Quality Assurance in the plastics' industry.

Our reputation is well known in the field of Thermal Analysis.

- Test method development.
- Practical use temperatures.
- Studies of blended materials.
- Degree of cure studies.
- Composite materials measurement.
- Deformation mechanisms in plastics.

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## Keith Freegard



KFC Limited, 2 Manor Court Rd, Ealing W7 3EL, UK

Tel: +44 (0) 208 567 1452

Mobile: +44 (0) 7867 526 768

E-mail: keith@freegard.net

Web: www.freegard.net

**Specialities;** Materials selection, Product design, Equipment, Mixing and compounding, Melt filtration, Testing, Environmental and recycling, Expert witness and legal, Legislative and regulatory, Marketing and market research, Strategic planning and forecasting, Automotive, Electrical and electrochemical, Packaging, Benchmarking, Project management.

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## John Gearing



Gearing Scientific Ltd., The Old Rectory, Seven Sisters Road, St Lawrence, Isle of Wight, PO38 1UZ, UK.

Tel 1: +44 (0) 1983 852 211

E-mail: gearingsci@yahoo.com (email is always better for a quick response)

Web: www.gearingscientific.net

**Specialities;** Analysis / Testing: Particularly thermal conductivity and specific heat for any polymer or composite. DMA/DMTA for Tg's. TMA for measuring thermal expansion of plastics and composite and other materials. TGA for degradation at elevated temperatures.

Gearing Scientific Ltd is a contract test house for thermal testing:

- Thermal conductivity testing.
- Thermal expansion on a TMA of solids.
- DMA/DMTA testing for Tg of composites and polymers and relative stiffness.
- DSC and TGA.
- GPC calibration standards.

Gearing Scientific Ltd have over 30 years experience of DMA / DMTA testing of polymers and composites for the glass transitions (Tg's) and relative stiffness at certain vibration frequencies. From <<-100°C up to as high as is needed.

Over 35 years experience of thermal conductivity testing from 0 to 250°C (or less for some materials!) using one of 6 different apparatus here in our lab. From vacuum panels to any plastic or rubber or composite material. Also Cp of composite panels. Solids and liquids and gels etc.

TMA testing for the co-efficient of thermal expansion (CTE) of solids from -150 to 1000°C. GPC calibration standards, and research co-polymers from N America at reduced prices.

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## John Gibbins



International Environmental Solutions Ltd., Ashleigh House, The Oaks,  
Wembdon Rise, Wembdon, Bridgwater Somerset, TA6 7QL, UK

Tel: +44 (0) 1278 423 544

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E-mail: [john@internationalenvironmentalsolutions.co.uk](mailto:john@internationalenvironmentalsolutions.co.uk)

Web: [www.internationalenvironmentalsolutions.co.uk](http://www.internationalenvironmentalsolutions.co.uk)

### Specialities;

- We are global, plastics reprocessing production consultants.
- We specialise in mergers and acquisitions.
- We buy, sell and source plastic materials for extruders, moulders and other processes.
- We offer single machinery, tooling and complete process lines for recycling plastics.
- We offer all ancillary equipment including: handling, extraction, washing, sorting, cleaning, metal removal, loading, storage, dosing, blending, bagging, weighing, testing, etc.
- We offer complete recycling solutions to the recycling industry from design to full production.
- We can source suitable factory units and plant layout.
- We can obtain all licences.
- We offer full training at all levels.
- We offer toll processing.
- We offer warehousing and distribution.
- We offer a complete range of recycled, off-spec, virgin and additives.
- We consult on waste reduction, alternative materials.

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## Sarah Greenwood



Sarah Greenwood Packaging, BBIC, Innovation Way, Barnsley, S75 1JL, UK.

Tel: +44 (0) 1226 249 590

Mobile: +44 (0) 7826 791 045

E-mail: [sarah@scgreenwood.co.uk](mailto:sarah@scgreenwood.co.uk)

Web: [www.scgreenwood.co.uk](http://www.scgreenwood.co.uk)

**Specialities;** Packaging Construction, Barrier Materials, Sustainable Materials, Blown Film Extrusion, Packaging Films, Packing Operations, Thermoforming, Printing, Injection Moulding, Blow Moulding, Value Engineering, Procurement, Environmental Policy, Packaging, Automotive, Project Management, Problem Solving, Testing, Line trials, Process Optimisation, Product Development.

Sarah Greenwood, BSc(Hons), MSc(Eng), MIMMM, APkgPrf.

A Polymer Technologist, Sarah has worked and contributed to the development of car disc brake pads for T&N and high performance packaging films for BP. She has held demanding technical positions in all aspects of the packaging supply chain with Mars, Sun Branding Solutions, Asda and Fox's Biscuits. Sarah now works with companies from start-ups to blue-chips on all aspects of innovation, specification and problem solving.

She holds an MSc(Eng) in Polymers and Polymer Composites, is an Accredited Packaging Professional and is a Member of IOM3.

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## Dr. Trevor J. Hutley



Arrabon Technologies Limited, Esuley, The Street, Hapton, NR15 1AD, UK

Tel: +44 (0) 1508 488 265  
Mobile: +44 (0) 7895 012 902  
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Web: www.pcn.org/Hutley.htm

**Specialities;** Global polymer industry specialist; Formulation, Materials, Additives, Compounding, Product development, Technology transfer, Technology commercialisation, Market research, Problem solving, Strategic thinking, Training.

Dr Trevor Hutley is a recognised polymer expert, an invited conference speaker and moderator, with a passion for teaching, who has broad experience in the global polymer and petrochemical industry, across many companies and organisations, in many pioneering and complex situations.

An unusual combination of broad and deep technology and science knowledge, combined with finance, marketing, manufacturing and business experience. An advisor on research & innovation.

[linkedin.com/in/trevorhutley](https://www.linkedin.com/in/trevorhutley)

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## Dr. Michail Kalloudis impact solutions

independent plastic experts

Impact Solutions Ltd., 16 Abbotsinch Road, Grangemouth, FK3 9UX, UK

Tel: +44 (0) 1324 489 182  
E-mail: Michail.Kalloudis@impact-solutions.co.uk  
Web: www.impact-solutions.co.uk

**Specialities;** Testing, Characterisation and Development of Polymers, Plastics and Composites; Failure analysis and expert witness, Polymer Lab building and Polymer Training.

Expert in Testing and Characterisation of Plastic and Composites. Strong experience in Polymer Research & Development as well as failure analysis in polymer-based materials.

- Material Scientist, with a PhD on polymer physics and more than 8 years of experience in the development and characterisation of materials.
- Project Manager in long and short-term material development projects and initiated collaborations with top research institutes and international companies
- Member of the IUPAC sub-committee of the Structure and Properties of Commercial Polymers
- Strong background in advanced materials such as composites, biomaterials, polymer etc.

Tangram Technology Ltd., 33 Gaping Lane, Hitchin, SG5 2JE, UK

Tel: +44 (0) 1462 437 686  
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E-mail: [pcn@tangram.co.uk](mailto:pcn@tangram.co.uk)  
Web: [www.tangram.co.uk](http://www.tangram.co.uk)

**Specialities;** Materials, Injection moulding, Extrusion, Environmental, Energy surveys and energy management for plastics processors, Carbon footprinting for plastics processors and products, Cost management for plastics processors, Quality management for plastics processors, Building products, Authoring, Training, Project management.

Tangram are a leading international consultancy for energy management in plastics processing. We provide the following services:

- Energy surveys for plastics processors.
- Energy management training for plastics processors.
- Technical authoring services.
- Quality management for plastics processors.
- Cost management for plastics processors.

We are experts in reducing energy use in plastics processing and work with large international processors on corporate programmes to reduce energy use, save money and improve the carbon footprint of operations.

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## Pravin S Mistry



PREA Ltd. PREA House, Manchester, M43 0AB UK

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Mobile: +44 (0)7810 882 339  
E-mail: [prea@prea.co.uk](mailto:prea@prea.co.uk)  
Web: [www.prea.co.uk](http://www.prea.co.uk)

A leading global manufacturing consultancy:

- Merger & Acquisitions, Buying and Selling Companies.
- Preparing Companies for sale.
- Companies in Distress.
- Chairman Guidance.
- Restructuring. Growth Strategy.
- Polymer Technical Consultancy, Plastics, Rubber, Composites, Adhesives, Polyurethanes.
- Recruitment.
- SHEQ - Health & Safety, Quality, Environmental Systems, Implementation, Management Auditing.

We have been established for over 25 years and operate in UK/ Europe, Nordics, Scandinavia, Switzerland, North America, Canada, South America. Middle East, Africa, India, China, Australia and New Zealand.

Please contact us in confidence. We are available 7 days a week.



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## Pravin S Mistry



Chemical and Polymer Recruitment Solutions Ltd., PREA Ltd. PREA House, Manchester, M43 0AB UK

Tel: +44 (0) 161 207 8007  
Mobile: +44 (0)7810 882 339  
E-mail: [recruitment@prea.co.uk](mailto:recruitment@prea.co.uk)  
Web: [www.chemicalandpolymer-recruitmentsolutions.com](http://www.chemicalandpolymer-recruitmentsolutions.com)

We are an International Recruitment Specialist company for the Chemical and Polymer (Plastics Rubber, Composites, Polyurethane, Adhesives & Textile) industry.

Our headquarters are based in the UK and through our worldwide offices we have a continual pipeline of candidates looking for jobs and employers looking to fill vacancies.

A few examples of our assignments are as follows:

- Executive Search: Chairman, CEO, Managing Director, Financial Director, Sales Director, Operations Directors, Quality Directors, Technical Directors.
- Managers: Sales, Operation / Production, Quality, Technical, HSE.
- Technical: Colourist, Technologist, Sales, Quality Production, Technical Service, Technical Sales, Marketing, Engineering.
- Assistance with CV writing.
- We also offer an outplacement service to candidates through the employers.

We have been established for over 25 years and operate in UK/ Europe, Nordics, Scandinavia, Switzerland, North America, Canada, South America. Middle East, Africa, India, China, Australia and New Zealand.

Please contact us in confidence. We are available 7 days a week.

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## Mike Newey

## Mike Newey Consultancy Services Extrusion Specialist

Mike Newey Consultancy Services, 148 High Street, Pensford, Bristol BS39 4BH

Tel: +44 (0)1761 490 777  
Mobile: +44 (0) 7432 137946  
E-mail: [mike@mncs2011.plus.com](mailto:mike@mncs2011.plus.com)  
Web: [www.pcn.org/Newey.htm](http://www.pcn.org/Newey.htm)

**Specialities;** Profile, pipe and sheet extrusion and extrusion training. Tooling design, process design, equipment specification and procurement. Plant design and set up, project management, product development and material development. R&D Tax Credits and Expert Witness.

Mike Newey Consultancy Services is a technical consultancy specialising in Plastic extrusion and compounding. We provide the following services:

- Profile, pipe and sheet extrusion.
- Tooling design.
- Small scale compounding and compound development.
- Process training.
- Feasibility studies.
- R&D Tax credit claims.

With over 40 of experience in the plastics industry, our specialisation is innovation in extrusion and compounding, starting with 25 years in production and works management, 15 years in Research and Development and an independent consultant since 2011.

We have specific experience in compounding specialist formulations and extruding many types of thermoplastics from very high specification engineering thermoplastics to lower cost commodity materials.

ITS Plastics Ltd., UK

Tel: +44 (0) 1905 770 868  
E-mail: jeremy@itsplastics.com  
Web: www.itsplastics.com

**Specialities;** Injection Moulding, Sequential/Cascade Moulding, Project Management, Trouble Shooting, Materials, Market Research, Training, Equipment Agent.

- Established 1997.
- Over 35 years experience in Injection Moulding, including project management, technical support, process optimisation, general trouble shooting.
- Application development support.
- Project management from design to full production.
- Computer aided filing simulation on request.
- Consultancy for polymer related products and materials.
- Agent for process control and monitoring systems – UK & Ireland.
- Representation for hot runner systems – UK & Ireland.
- Specialist in education, skills and apprenticeships for polymer industry.

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## Fabrizio Rizzato/Petra Mickova



Fabrizio Rizzato: Alea s.n.c. di Rizzato Fabrizio & Mickova Petra, Via Prà Secco 137/A36010 Carrè (VI) - Italy

Tel: +39 334 990 12 30  
E-mail: frizzato@aleapur.com or pmickova@aleapur.com  
Web: www.aleapur.com  
Skype™: frizzato.aleapur

**Specialities;** POLYURETHANES: Additives & property modification, analysis, materials selection, product design, product engineering, tool design and sourcing, material development, fine tuning of thermoset polyurethanes. Equipment, foam moulding, health and safety and training, quality assurance, thermoset pouring and injection. Finishing and decorating, testing. Marketing and market research. Automotive, biomedical, general products, furniture, shoe industry. Literature and patent search, project management, training, trouble shooting.

ALEA is dedicated to POLYURETHANES and guarantees to its customers consultancy and support during all the stages of the production processes:

- Start-up and fine tuning of productions related to polyurethane articles.
- Development and fine tuning of PUR systems.
- Commercial distribution (equipment, chemicals, tools).

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## Eddie Sheridan



*Edwin G. Fisher Associates*  
TECHNICAL AND MARKETING CONSULTANTS

Edwin G Fisher Associates, 41 Walton Road, Bushey, Herts. WD23 2JD, UK

Tel: +44 (0) 1923 237 160  
E-mail: info@egfa.co.uk  
Web: www.egfa.co.uk

**Specialities;** Materials, Business improvement, Environmental, Market research, Technology transfer, Packaging, Foam, Surveillance of new products, processes and technology, Mergers and Acquisitions.

Edwin G Fisher Associates is a long established consultancy to the plastics and rubber industry. The consultancy's strength is in the area of business strategy. The organisation offers assistance in techno-economic studies, marketing, market research, diversification, new product and technology searches, feasibility studies, acquisition studies and licensing. Particular experience is available in plastics, polymers, elastomers, paints, chemicals and packaging.

The consultancy assists clients with the development of their business activities by offering services tailored to meet specific requirements and budget considerations whilst gaining maximum effectiveness by close co-operation. Services provided include;

- Market research and forecasting.
- Business strategy.
- New product surveillance.
- Future trend analysis.
- Plastic packaging.
- Feasibility studies.

Since it was founded the organisation has worked with corporations world-wide.

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## Bernard Sinclair



Product Engineering Associates, 11 Kerrison Road, Ealing, London, W5 5NW, UK

Tel: +44 (0) 20 8566 3456  
E-mail: enquiries@prodeng.co.uk  
Web: www.prodeng.co.uk

**Specialities;** Product Engineering, Product Design, Development and Troubleshooting (relating to new and existing products), Injection Moulding, Roto Moulding, Blow Moulding and Thermoforming, Expert Witness (Mechanical Design, Intellectual Property and Disputes).

Bernard Sinclair has undertaken a number of expert witness and legal assignments. These mainly relate to disputes in connection with product design, intellectual property or mechanical design (Haberman and V & A Marketing vs Jackel International: Non-spill toddler cup Anywayup Cup, Blue Gentian vs Tristar Products: Expandable Garden Hose - X Hose).

Clients for projects of this kind include:

Freshfields, Dibb Lupton Alsop (DLA), Millbank, Tweed, Hadley and McCloy, Bates, Wells and Braithwaite, BNFL and Birmingham Alliance/Hammerson UK Properties, DWF LLP, Bristows and Freshfields.

Plastic Moulding Solutions, 19 Leander Close, Sutton-in-Ashfield, Nottinghamshire, NG17 5BF, UK

Tel: +44 (0) 1623 452 639  
Mobile: +44 (0) 7769 555 685  
E-mail: [Robert@plasticmouldingsolutions.co.uk](mailto:Robert@plasticmouldingsolutions.co.uk)  
Web: [www.plasticmouldingsolutions.co.uk](http://www.plasticmouldingsolutions.co.uk)

**Specialities;** Injection moulding, All blow moulding processes, Mould tooling, Decoration of plastics, Problem solving, Trouble shooting, Cost reduction, Interim management, Project management, Merger & Acquisition, Technical due diligence, Technical reports and appraisals. All market sectors served including packaging and medical.

Plastic Moulding Solutions is a consultancy aimed at solving all of the common moulding issues that a company can have and provides the following services:

- Problem solving.
- Technical appraisals and audits.
- New product development.
- Injection moulding.
- All types of blow moulding.

<p><b>Materials &amp; Design</b></p> <ul style="list-style-type: none"> <li>• additives &amp; property modification</li> <li>• analysis</li> <li>• materials selection</li> <li>• product design</li> <li>• product engineering</li> <li>• tool design &amp; sourcing</li> </ul>	<p><b>Processing</b></p> <ul style="list-style-type: none"> <li>• blow moulding</li> <li>• compression moulding</li> <li>• equipment</li> <li>• fibre reinforced</li> <li>• fibres &amp; textiles</li> <li>• film extrusion</li> <li>• foam moulding</li> <li>• gas assisted moulding</li> <li>• health &amp; safety</li> <li>• injection moulding</li> <li>• mixing &amp; compounding</li> <li>• mould flow</li> <li>• profile &amp; sheet extrusion</li> <li>• quality assurance</li> <li>• rotational moulding</li> </ul>	<p><b>Secondary Operations</b></p> <ul style="list-style-type: none"> <li>• finishing &amp; decorating</li> <li>• testing</li> <li>• welding &amp; fastening</li> </ul>
<p><b>Commercial</b></p> <ul style="list-style-type: none"> <li>• environmental &amp; recycling</li> <li>• expert witness &amp; legal</li> <li>• export &amp; import</li> <li>• legislative &amp; regulatory</li> <li>• marketing &amp; market research</li> <li>• mergers &amp; acquisitions</li> <li>• strategic planning &amp; forecasting</li> <li>• technology transfer &amp; licensing</li> </ul>	<p><b>Markets</b></p> <ul style="list-style-type: none"> <li>• aerospace</li> <li>• automotive</li> <li>• biomedical</li> <li>• building</li> <li>• electrical &amp; electrochemical</li> <li>• general products</li> <li>• packaging</li> <li>• pharmaceutical</li> </ul>	<p><b>Other Skills</b></p> <ul style="list-style-type: none"> <li>• authoring</li> <li>• benchmarking</li> <li>• degradation</li> <li>• energy surveys and energy management</li> <li>• literature &amp; patent search</li> <li>• project management</li> <li>• occupational risk management</li> <li>• recruitment</li> <li>• training</li> <li>• translation</li> <li>• trouble shooting</li> </ul>

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## **The most experienced experts in the plastics industry could be part of your team tomorrow!**

More and more successful companies are shedding peripheral activities to enable them to concentrate on their core expertise, and when they need up to date specialised knowledge, they call in the acknowledged experts. World-leading companies do this for lawyers, catering and transport and when the expertise required involves plastics they call in the best available - from the Plastics Consultancy Network.

Consultants can form a vital part of any management team. They can be a valuable resource to be used as required. Unlike full-time staff, they are not a permanent and significant overhead cost. They are a variable and controllable cost to be used only as and when required.

There are few businesses today that are not exposed to global influences. The Plastics Consultancy Network has members throughout the world and individual members can tap into knowledge to provide both global and local solutions to major or local issues.

The PCN is not a general management consultancy; it is a specialist group of independent plastics experts. The complete focus on plastics means members can share the knowledge and information generated from many years of experience in all areas of the polymer industry. Our commitment is to helping clients find effective solutions, actively, quickly, creatively and at minimal cost.

PCN members can work as individuals or in project teams, the PCN exists to enable your project, however large or small to be accurately directed at the most appropriate consultant.

To find out more about how the PCN can help you or to apply for membership, visit the PCN website at [www.pcn.org](http://www.pcn.org).

The essential support team is available to you today.

## **What we do (at a glance)**

- **Graham Chetwood:** Cost reduction from improved purchasing.
- **Terence Cooper:** Bioplastics, sustainable packaging, recycling & recovery.
- **Peter Cox:** Extrusion & multi-layered plastics.
- **Peter Cracknell:** High-quality on site polymer training & consultancy services.
- **Gerhard Crossman:** Turnaround & process improvements, change management.
- **John Duncan:** Thermal, dynamic mechanical & dielectric analysis.
- **Keith Freegard:** Recycling and environmental
- **John Gearing:** Thermal testing.
- **John Gibbins:** Recycling from materials to equipment.
- **Sarah Greenwood:** Packaging.
- **Trevor Hutley:** Global polymer industry, research & innovation advisor.
- **Michail Kalloudis:** Testing, research/development & failure analysis.
- **Robin Kent:** Energy surveys & energy management.
- **Pravin Mistry:** Global: mergers & acquisitions, recruitment, chairman, SHEQ systems.
- **Mike Newey:** Extrusion specialist, tool design and training.
- **Jeremy Pingstone:** Injection moulding. Education, skills & apprenticeships.
- **Fabrizio Rizzato:** Thermoset polyurethanes from chemistry to equipment.
- **Eddie Sheridan:** Market research, materials, packaging & improvement.
- **Bernard Sinclair:** Product design.
- **Robert Tomlinson:** Providing solutions to processing problems.