

AN INTRODUCTION TO

 **SULLIVAN DESIGN**

& Process Engineers

Company Registration: 7114860

Sullivan Design Ltd, Trading As: Sullivan Design & Process Engineers

Innovation Centre, 1 Devon Way, Longbridge Technology Park, Birmingham B31 2TS. Tel: 0121 222 5309

SULLIVAN DESIGN & Process Engineers

WRIGHT DESIGN & MANAGEMENT/SULLIVAN DESIGN:

Will Wright and Dave Mills are the Principals in Wright Design & Management, which predominantly provides an M&E services resource to land/property developers. Projects tend to be industrial but also include commercial and even high spec houses! We also offer a service for BREEAM, EPCs and air conditioning inspections. WDM was originally started by Will Wright in 1998 but Dave and Will joined together in January 2009.

Sullivan Design Limited was started following the demise of JL Sullivan Ltd (known as "Sullivan Design") in December 2009. Will Wright was a Director of that company from 2002-5 having joined to expand the technical and business development function. WDM recruited Sullivan's remaining engineer, Peter Shannon and with this and our general background in the food processing/industrial projects, decided to re-launch the company.

The *new* Sullivan's is owned by Dave Mills and Will Wright and is intended as a vehicle to carry out all food and industrial-type projects, trading on our collective experience and the established Sullivan name. We will use and add to the resources within our current structure and create a distinction between WDM as a Developer service company and SD as a specialist consultant.

KEY PERSONNEL

Key personnel profiles are attached to this letter and the main point of contact will be Will Wright. In brief, the following people will provide the core support to our service:

Will Wright	Principle contact and point of initial enquiries; mechanical/HVAC.
Peter Shannon	Generally Office-based support and project engineering function; CAD/surveys/process flows/mechanical handling.
Dave Mills	Utilities engineering/BREEAM assessments/Industrial M&E services.
Stephen Gill	Refrigeration engineering.
Matt Cartwright	Electrical engineering/lighting/fire alarm/security/controls.

RECENT PROJECTS

The last 5 no. projects carried out by Sullivan Design are as follows:-

Manufacturers of Jams, Preservatives and Honey Design of new factory facility:	£2m
Specialist Bread Bakeries Design of existing coldstore extension:	£3m
Seafood Processor Design and production planning for 10 year development:	£2.5m
Manufacturers of sauces and condiments Design and project management of new production facility:	£2.5m
Manufacturer of pies, pasties and sandwich fillers Redesign of proposed production areas:	£0.5m

SULLIVAN DESIGN & Process Engineers

PERSONAL

Name: Will Wright
Qualifications: BSc, CEng, MCIBSE
Position: Principal
Location: Birmingham

SKILLS

Broad Industrial services knowledge, particularly experienced in hygienic manufacturing.

Commercially aware and able to translate this in designing to meet Client's objectives: both technically and economically.

Customer focused, but also integrates well with other disciplines.



SAMPLE PROJECT INVOLVEMENT

Project details	Type	Year	Cost
Hoechst – Cleanrooms/Laboratories	Pharma – Research	1998/9	£ 12m
Saxon Valley Foods – Recipe Dish Factory	Food – Ready Meals	1998/9	£ 3m
Bourne Salads – Prepared Salads Factory Extension	Food – Salads	1999/0	£ 2.5m
Saxon Valley Foods – Factory Extension/Pasta Cooking	Food – Ready Meals	2001	£ 1.5m
Geo. Adams & Sons – Various: Hams/Pie/Pig Processing Fac's	Food – Meat Proc'rs	2002/4	£ 25m
RHM Bakeries – Various: Seasonal Goods/Nut-free Cake facilities	Food – Bakery	2003/4	£ 4m
Astral Developments Ltd – Warehouses/Offices	Warehousing	2004/6	£ Multi-m
Astral Developments Ltd – Peugeot-Citroen HQ, Coventry	Offices	2005/6	£ 10m
Lambert Smith Hampton – Various Dilapidation Surveys/Reports	W'hses/Offices	2004/6	£ -
DJ Orchard & Associates – Insurance Condition Surveys/Reports	Food Factories	2007/8	£ -
ProLogis Developments Ltd – Honda Logistics	Warehouse Heating	2007/8	£ 1m
ProLogis Developments Ltd – TEVA Pharmaceuticals	W'house/HQ Offices	2007/8	£ 20m
Mellers/Synthomer Ltd, Grimsby – Laboratory & Workshop Fac's.	Polymer Factory	2009	£ 1m

Will has worked for 25 years in the construction industry, gaining extensive experience in both the public and private sectors, as a Client, Contractor and a Consultant.

Following an apprenticeship and a management position with Cadbury Schweppes Plc, Will has worked in a variety of sectors, from a hands-on shopfloor base to business development and customer care at Director/Board level. Along the way he has designed and project managed multi-disciplinary projects and managed a division of 30+ personnel. After beginning his working life within the food industry, will returned to this sector some twelve years ago developing and working on projects from the food and pharmaceutical manufacturing industries.

In 1994, Will joined a design and build contractor specialising in this sector and soon became the Divisional Director. From 1999, Will ran his own business in specialised M&E project design/management services to predominantly Food and Manufacturing industries and Industrial Developers. In January 2009 joined with Dave Mills (ex-ProLogis) to provide enhanced M&E services advice to niche markets, with a personal and flexible approach.

Will is a Chartered Engineer and a Corporate Member of the Chartered Institution of Building Services Engineers, attained after successfully graduating from Wolverhampton Polytechnic, with a degree in Building Services Engineering, in 1989.

Sullivan Design Ltd Innovation Centre, Longbridge Technology Park, 1 Devon Way, Birmingham, B31 2TS
Will Wright BSc CEng MCIBSE m: 07825 165 915 e: wright@sullivan-design.co.uk

www.sullivan-design.co.uk
 t: 0121 222 5309

✓ SULLIVAN DESIGN & Process Engineers

PERSONAL

Name: Peter Shannon

Qualifications: C&G Full Tech. Cert in Product Design

Position: Design Engineer

Location: Birmingham

SKILLS

Over 40 years experience within the Manufacturing environment and the Food Industry

A pro-active and versatile individual with good managerial and communication skills.

Approaches tasks practically and able to apply himself across a wide engineering spectrum.



SAMPLE PROJECT INVOLVEMENT

Project details	Type	Year	Cost
Parker Hale – Military Equipment	SA80 Army rifle	1987	£
INA Bearings– Roller Ball Bearings	KIA Motors	1989	£ 2m
GPM Engineering – Automation equipment	Rover - Cowley	1991	£ 1.5m
Gee and Co – Chemical Dosing and Effluent Control	Water Industry	1995	£ 2m
Hydrair Limited – Ink Pumping Systems	Newspaper Industry	1997	£ 0.25m
Charles Winn Valves – Manufacturer of Butterfly valves	Royal Navy	1999	£ 0.25m
Galley Systems Limited – Equipment for Pharmaceutical Industry	Bulk Containers	1999	£ 0.5m
Geo. Adams & Sons – Various: Hams/Pie/Pig Processing Fac's	Food – Meat Proc'rs	2002/4	£ 25m
Phoenix Breweries, Mauritius – Guinness Brewery	Brewery – Tankfarm + CHW	2004	£ 0.5m
Cumbrian Seafoods – Manufacturers of Seafoods	New Prod'n Facility	2006	£ 10m
Gordon's Fine Foods – Manufacturers of Sauces and Condiments	New Prod'n Facility	2007	£ 2.5m
Whitby Seafoods – Manufacturers of Seafoods	10 year Plan	2008	£ 2.5
Duerrs – Manufacturers of Jams and Preservatives	New Prod'n Facility	2009	£ 2m

Following a technical apprenticeship, Peter worked as a design draughtsman in a variety of design positions in manufacturing industries. Specialist areas have included mechanical handling, military armament and bearing design. In the following years he has been involved in the design of chemical dosing and effluent control systems and pharmaceutical equipment. As the Drawing Office Manager with an international company producing butterfly valves, Peter managed a team producing detailed engineering manufacturing information to ISO9000.

In 2002, Peter then applied this detailed approach to food processing environments moving to one of the major food design consultancies as a Drawing Office Manager. In this position he was involved in the design and project management for numerous projects within a wide range of food industries ranging from small projects to multi million pound schemes.

Peter has specialized in factory layouts both in terms of engineering services and in terms of personnel and material/product flows. He has gained extensive knowledge of High Care/Low Risk facility planning, hygienic systems design and specialist food plant construction techniques.

In addition to Peter's indentured apprenticeship, he has attained City & Guilds Full Technological Certificate in Product Design from South Birmingham Technology College in 1971.

Sullivan Design Ltd

Innovation Centre, Longbridge Technology Park, 1 Devon Way, Birmingham, B31 2TS www.sullivan-design.co.uk

Peter Shannon

m: 07519 296 595 e: pshannon@sullivan-design.co.uk

t: 0121 222 5309

✓ SULLIVAN DESIGN & Process Engineers

PERSONAL

Name: Dave Mills
 Qualifications: BSc, CEng, MCIBSE
 Position: Principal
 DOB: 14.07.1958
 Location: Redditch

SKILLS

Well-rounded services knowledge, particularly experienced in site services and utilities procurement for industrial developments.

Commercially astute, practical, hands-on, dedicated, customer focused.

BREEAM assessment and alternative energy systems are Dave's speciality.



SAMPLE PROJECT INVOLVEMENT

Project details	Type	Year	Cost
Lumonics – Laser Production Facility	Industrial – Research	1997/8	£ 3.5m
9 Brindley Place – Office Block	Offices	1999	£ 3m
Pearson Books – Fully automated Warehouse	Industrial - Warehouse	2001	£ 1.5m
Argos Distribution Centre	Industrial - Warehouse	2003	£ 1.75m
Primary Substation, Wellingborough	Utilities	2004	£ 4m
J Sainsbury's – Swan Valley Warehouse & CHP	Warehouse/CHP	2005/6	£ 6m
Minworth Distribution Park – Whole site services	Industrial – Multi Use	2006	£ 5m
Honda Logistics – Heated Warehouse and offices	Warehouse	2005	£ 3m
TEVA Pharmaceuticals – Temperature-controlled Warehouse	W'house/HQ Offices	2007/8	£ 20m
Mellers/Synthomer Ltd, Grimsby – Laboratory & Workshop Fac's.	Polymer Factory	2009	£ 1m

Dave has over 30 years experience in the construction industry. He worked for 7 years as the Mechanical and Electrical Specialist at ProLogis Developments Ltd.

Dave was responsible for the provision of utilities and building services from initial land appraisal through to handover of completed buildings.

Prior to ProLogis, Dave a Senior Engineer for RW Gregory & Partners Consulting Engineers and then Design Manager for N G Bailey, one of the top five building services contractors in the UK. In these roles, Dave was responsible for designing and estimating all types of commercial, industrial, retail and leisure projects.

Dave started his career at the Rover Group in 1976 where he served his apprenticeship initially as a pipefitter before transferring to technician training. On completion of his apprenticeship complete with ONC and HND in Mechanical engineering, he joined the works engineer's new projects department becoming a senior engineer.

In January 2009 Dave joined with Will Wright to provide enhanced M&E services advice to niche markets, with a personal and flexible approach.

Dave is a Chartered Engineer and a Corporate Member of the Chartered Institution of Building Services Engineers, attained after successfully graduating from Wolverhampton Polytechnic, with a degree in Building Services Engineering, in 1989.

Sullivan Design Ltd

Innovation Centre, Longbridge Technology Park, 1 Devon Way, Birmingham, B31 2TS

www.sullivan-design.co.uk

Dave Mills BSc CEng MCIBSE

m: 07808 364 241

e: dmills@sullivan-design.co.uk

t: 0121 222 5309

SULLIVAN DESIGN & Process Engineers

PERSONAL

Name: Stephen Gill

Qualifications: MBA, LLM, IEng, FIET, MCIBSE, FInstR, FCMI

Position: Refrigeration Engineer

Location: Derby

SKILLS

A pro-active and versatile individual with broad experience. Extensive knowledge in designing energy efficient and reliable industrial refrigeration systems for food and process applications.

An excellent communicator who is frequently invited as a speaker and technical and business author.



SAMPLE PROJECT INVOLVEMENT				
	Project details	Type	Year	Cost
Aldi Distribution Depots		Food - Warehousing		£
Gist (Formerly BOC Transfield)		Distribution Depots		£
Parker Meats – Meat Processing facilities		Food – Meat Proc’rs		£
Romford Wholesale – Meat Processing facilities		Food – Meat Proc’rs		£
Northern Foods – Food Processing Facilities		Food – Various		£
Geest/Bakkavor Group – Food Processing Facilities		Food – Various		£
Musgrave – Low Temperature Coldstores		Food – Cold Stores		£
Wincanton – Chill Distribution		Food - Distribution		£
Orchard House – Fruit juice processors		Food – Juice Plant		£
Walden’s Country Foods – Ready Meals Factory		Food – Ready Meals		£

Stephen has 30 years’ progressive responsibility and achievement in the industrial refrigeration engineering industry as Director, Senior Manager, Design Engineer, Projects Manager, and Consultant.

After serving an engineering apprenticeship, Stephen has gained experience in many roles including Design and Sales Engineer, Projects and Contracting engineer, Commissioning Engineer, Manager and Company Director for Industrial refrigeration companies - GEA Grenco, ABB-STAL, Linde Refrigeration, Star Refrigeration, and Morris and Young.

Over the years projects have included Breweries, Distilleries, Food processing, Cold Stores, Chemical and Pharmaceutical facilities varying in size and application. Types of systems have changed over the years, being latterly mainly pumped ammonia systems using screw or reciprocating compressors. Systems designed and installed have included: flooded ammonia (Tulip food group); LPR (Various); glycol and water chillers for numerous applications; dx type systems using R22 and HFC refrigerants. Also familiar with application of Grasso, Sabroe and Mycom compressors and various industrial types and manufacturers of heat exchangers.

Stephen is an Incorporated Engineer, and other engineering institute memberships include the Institute of Refrigeration Engineers (Fellow) and is also in the process of becoming Chartered Member of the Chartered Institution of Building Services Engineers. He also holds a Business MBA and accountancy qualifications.

✓ SULLIVAN DESIGN & Process Engineers

PERSONAL

Name: Matthew Cartwright
 Qualifications: BSc, AMSLL, MIEE
 Position: Electrical Engineer
 Location: Stourbridge

SKILLS

Wide-ranging electrical services knowledge, particularly experienced on industrial and multi-occupancy commercial applications.

Excellent commercially awareness coupled with creative design skills but tempered by practicality.

Client-focused, good team player at both professional and artisan levels.



SAMPLE PROJECT INVOLVEMENT

Project details	Type	Year	Cost
Corus Steel - Warehouse and stand alone office facility	Industrial/offices	2005/6	£ 3m
Astral Developments Ltd – Warehouses/Offices	Warehousing	2006	£ Multi-m
City Plaza, Birmingham – Multi-occupancy offices and feature reception	Commercial	2006/7	£ 1m
John Sisks – Panasonic warehouse, Northampton	Warehouse/offices	2006	£ 2.5m
Thyssen Krupp – Warehouse fitout	Warehousing	2006	£ 1m
Paragon Care Group – Multiple new build care homes (whole UK)	Residential Care	2006/8	£ Multi-m
St Modwens – Arrow Valley, Redditch	Warehousing	2006/7	£ 2m
JDI Ltd – Baskerville House – Prestigious office fit-out	Offices	2007/8	£ 2m
British Transport Police – Welsh Headquarters	Commercial	2007/8	£ 0.5m
ProLogis Developments Ltd – Honda Logistics	Warehouse Electrics	2007/8	£ 1m
ProLogis Developments Ltd – TEVA Pharmaceuticals	W'house/HQ Offices	2007/8	£ 20m
CFNX – Creative Media Studios and exhibition spaces	Commercial	2007/9	£ 7m
Andyfreight Ltd – Warehouse and office new build	Industrial	2009/10	£ 1.5m

Matthew has worked for 10 years in the construction industry, gaining extensive experience in both the public and private sectors, as a Contractor and Consultant

Following an apprenticeship and electrical engineering position with a medium M&E consultancy, Matthew joined a design and build contractor in the role of Design Manager in 2002. Matthew was responsible for the overall design and co-ordination of all the M&E services undertaken by the company, including the management of sub-contract design consultants on projects ranging from residential apartment blocks to multi-million pound commercial projects. In 2006, Matthew joined with Will Wright to provide enhanced M&E services advice and solutions to niche markets, with their personal and flexible approach.

Matthew is a Corporate Member of the Institute of Electrical Engineers and an associate member of the Society of Light and Lighting, attained after successfully graduating from the University of the West of England, with a degree in Building Services Engineering, in 2007.

Sullivan Design Ltd Innovation Centre, Longbridge Technology Park, 1 Devon Way, Birmingham, B31 2TS

www.sullivan-design.co.uk

Matthew Cartwright BSc AMSLL MIEE m: 07734 298583 e: mcartwright@sullivan-design.co.uk

t: 0121 222 5309