

David Harold Lipschitz

B.Sc Computer Science (UCT)
B.Sc (Honours) Computer Science (Rhodes)
MBA (Cranfield)
Fellow of the South African Alternative Energy Association
(Honourary Lifetime Member)

My Power Station

**Healer, Entrepreneur, Business Owner
Software Developer, Energy Analyst, Conference Speaker,
Research and Development – a New Retirement and Education Paradigm
[My Power Station Methodology](#)**

Blogs: <http://mypowerstation-sa.blogspot.com>
<http://repairyourworld.blogspot.com/>

“David is strongly principled and effectively analytic. He approaches each project with the objective of getting the job done and adding value. He provides excellent documentation before, during and after completing a project.

“David has worked on both Information Technology as well as Energy related projects to my complete satisfaction.”

Barry Coltham, Client Service Director at Achievement Awards Group

“David is along-standing friend and a creative thinker who doesn’t even see the box, never mind think outside of it. He is no crackpot, but an educated free thinker with several degrees.

“He is passionate about green technology, and is removing his entire house from the national grid by generating electricity, using solar and wind power in central Milnerton!”

Dr Joy McCarthy, Senior Research Scientist, UCT, and City of Cape Town Councillor

David Lipschitz: Public Profile



David Lipschitz with Dean Cooper (Head, Energy Finance Unit, UNEP DTIE, United Nations Environment Programme Division of Technology, Industry and Economics) and Lance Greyling MP (Chief Whip of ID, DA/ID coalition and Shadow Minister of Energy) at the Powering Africa Summit at the One and Only Hotel in Cape Town in November 2013.

David Lipschitz: Public Profile

David Lipschitz Live on CNBC Africa on 23rd June 2015
Interviewed in connection with the NERSA hearings



David Lipschitz Live on CNBC Africa on 30th June 2015
Interviewed by phone in connection with Eskom not getting their desired Tariff increase and asked about alternative sources of funding for Eskom



CURRICULUM VITAE

David Harold Lipschitz

PERSONAL INFORMATION:

Surname, First Name: Lipschitz, David

Date of Birth: 20 May 1964; **Age:** 52

Addresses: 14 Mimosa Street, Milnerton, 7441, Cape Town, South Africa
PO Box 1080, Milnerton, 7435, South Africa

Contact Me: 021 551 9935 (Home); 074 119 3246 (Cell)
021 813 9895 (Office / SkypeIn: Reach me anywhere in the
world with a local South African phone number)
Skype: My Power Station (David Lipschitz)
Email: david@mypowerstation.biz
Twitter: @mypowerstation

Nationalities: South African and British

Home Language: English

Marital Status: Married to Mirjana

Drivers license: Yes

Health: Excellent (non-smoker; almost vegetarian)

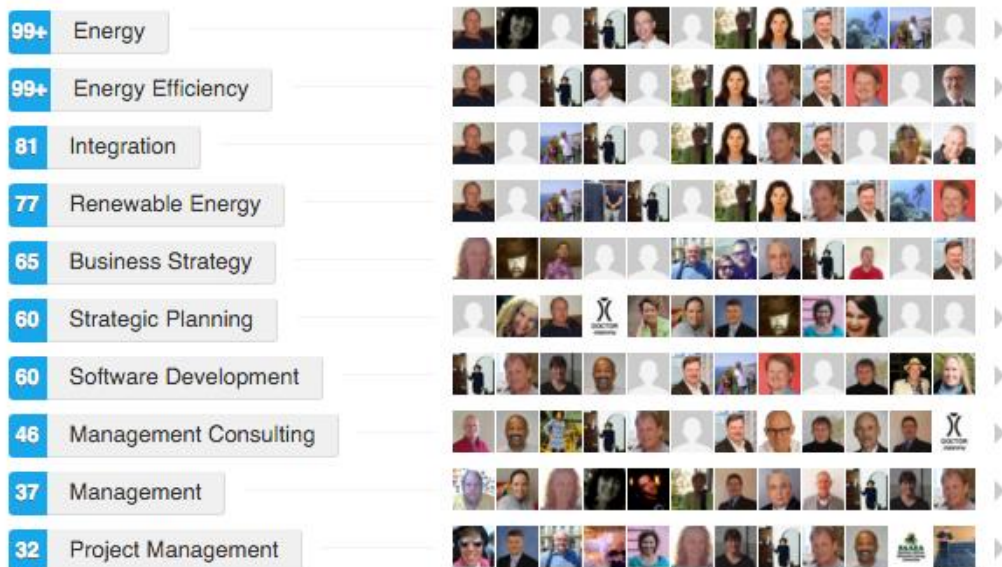
Availability: Negotiable

Education: School: Matric (Westerford, Cape Town, South Africa)
University: B.Sc Computer Science (UCT, Cape Town, South Africa)
B.Sc (Honours) Computer Science (Rhodes, Grahamstown,
South Africa)
Master of Business Administration (Cranfield University, UK)
- MBA Thesis on the UK Not For Profit (Charity) Sector
Technical: Various IT including Oracle Designer;
Solar Energy International: One-Week Grid Tie Photovoltaic
Course in USA and wrote the NABCEP (North American
Board of Certified Energy Practitioners) PV Associate
Certificate (re Solar Energy) in USA
Other Courses: Reiki Master (3 years part time) – Human Energy Expert
Skills for Community Self Reliance Course

Other Activities: Energy Advisor to: South African Alternative Energy
Association (SAAEA) [Green Merlin Award](#)
Reiki Master, Tai Chi Instructor, Philosophy, Meditation,
Reading, Bodhisattva Training; Hiking, Skiing

Introduction to David Lipschitz:

- Healer, Business Healer
- Tenacious problem solver
- Deep interest in
 - Bug free software development
 - Renewable and Community Power Station technology
 - Sustainability and environmental management
 - Finding ways to reduce our cost of living
 - Mindfulness & Anxiety Reduction
- Lived and Worked In
 - South Africa, UK, Australia
- Business Travel including
 - France, Greece, Lesotho, Norway, Russia (CIS), Switzerland, Tanzania, Turkey, USA
- Holidays and research in
 - Europe, Israel, Namibia, Bosnia, Croatia, Montenegro, Serbia, USA, Zimbabwe
- Active Citizen
- Spoke at 7 conferences during 2012 in Cape Town, Durban and Johannesburg
- Presented at Power and Electricity World Conference in Johannesburg in 2013 on Virtual (Community) Power Stations
- Presented at the Powering Africa Summit in November 2013
- Interviewed on CNBC Africa (DSTV Channel 410) live and by phone
- LinkedIn Endorsements (on my old profile):-



David also knows about...



David Lipschitz Curriculum Vitae continued:

Business Development

- CEO, Director, Shareholder and Sole Proprietor since 1994
- Business Owner, Business Advisor and Entrepreneur
- SMME (Small, Medium and Micro Enterprises) Expert
- Software development and implementation; Project management
- Compliance with SARS, VAT, Business and Personal Tax, Audits

Stakeholder Development

- Supply Chain Management
- Chairing and Speaking at various Energy and related Conferences
- Speaking in Parliament re Energy and South Africa's Energy Path, for example on behalf of the South African Alternative Energy Association (SAAEA)
- Commenting on the IRP, NPC and other government documents

Operational Delivery

- Managing staff and sub-contractors
- Operations Management in Factories and Service Businesses

Consulting

- Keynote and Conference Speaker, Chairperson and Panel Discussions
- My ICT experience includes: relational database systems analysis and design; systems maintenance and development; networking; communications; problem solving and optimisation; client management; training; team work; project management; marketing; computer hardware sales; software and package sales; business management
- ERP Systems including Sales, Purchases, Warehouse Management
- Sustainability and Energy Audits
- Pre-sales consulting to over 100 companies, essentially showing them where Renewable Energy fits into their organisations
- Energy Sector Research, Knowledge Development and Implementation Plans
- Designing Energy Conferences and Training Materials
- Mentoring and Training a number of people and organisations
- Renewable Energy Systems: Grid Tie; Off Grid; Battery; Inverters; Islanding; Community Power Stations
- I did my MBA so that I could "Actively Listen", i.e. listen to my clients' requirements using their language

Qualifications

- Post-graduate Degrees
 - MBA, Master of Business Administration 1992
 - BSc (Honours) Computer Science 1986
- Graduate Degree: BSc Computer Science 1985
- Passed the North American Board of Certified Energy Practitioners (NABCEP) PV Associate Exam in February 2009

Technical Skills

- Accounting Software Consulting Services
- Incentive and Loyalty Programs
- Bar Coded Warehouse Management
- Production Management

- Textiles
- Renewable Energy and Energy Efficiency Consulting
- Mainly Delphi, Oracle, SQL-Server, Software Development; Also MySQL, Web
- Sage ERP 300 (Accpac)
- Integration projects between systems, e.g. client management in Oracle and Sage ERP 300 on SQL Server
- ADSL, WiFi, MiFi, VPN – allowing me to work from anywhere
- Mind mapping using Mind Manager, MindMeister and SimpleMind
- Many ERP and Accounting Packages used and implemented
- Designing and Installing Renewable Energy Systems
- TOAD for Oracle and MySQL; SQL Server Management Studio
- Oracle PL/SQL
- Oracle Optimisation
- Setting up networks, Oracle, SQL Server, LAMP, MAMP
- Git, Atlassian, SourceTree
- Technical Support
- Touch Typist
- Microsoft Office; Lotus SmartSuite; Cloud Services
- NotePad++, Brackets
- Development on Apple Computer, using Parallels for Microsoft Development. Delphi 10.1 Berlin / Mac Provisioning. Basic iPhone / iPad Development
- Online Cloud Based Systems used include: BigCommerce; WordPress; Blogger.Com; VCita; DropBox; Google Drive; MindMeister; Git and similar systems; MailChimp.

David Lipschitz Curriculum Vitae continued:

Work Experience

My Power Station Technology (PTY) Ltd, formerly Orbital Decisions

Energy Research and Information Systems Consultancy, Cape Town, South Africa

November 1994 to Current; Positions: Owner, Software Engineer and Energy Analyst

Achievements:

- Successfully running a business for 22 years (since Nov 1994).
- Solving ICT and Energy Related Problems.
- Software Engineer with "full-house" experience.
- Liasing with staff at all levels to solve problems.
- Managing teams and contractors where necessary.
- Helped create, participate in, present at and chair many energy related conferences.
- Programmer (since 1979).
- Database, Client / Server and Networks (since 1986).
- Problem Solving and Performance Improvements in a Textile Factory and in a Plastics Factory (since 1986).
- Very advanced Accounting Systems; i.e. multi-company, multi-currency, multi-open-year, project-based, multi-user, umbrella (central) banking (since Nov 1990).
- Database/Software Design using SSADM; ERWin; Oracle Designer, etc (as required since 1990). Also ran courses in Oracle Designer.
- Oracle & Oracle PL/SQL (since 1993).
- Delphi (since 1995). Currently: Delphi 5, 6, 7, 10.1 Berlin.
- Oracle Database Specialist: incl ERD; PL/SQL; TOAD; Optimising large systems (300 million records in biggest table) (since 1993).
- Stock Control, Stock Tracking, Warehouse Management and Production Management Systems Specialist (since 1995).
- Interbase Database Specialist (since 1995).
- Incentive & Loyalty Programs & Call Centre Software Dev (since Nov 1997).
- Presented at a Project Management Conference in Johannesburg in 2008 on the technical aspects of implementing and using Microsoft Project in a multi-user, multi-project environment.
- Feed In Tariff Expert, Retail Wheeling Expert, 2009
- Created my first Power Station in 2008 and my second one in 2009.
- Establishing a bridgehead in the very difficult to enter Energy Industry with tenacity, perseverance, courage and problem solving (since 2008).
- Chaired an Energy Efficiency Conference in Johannesburg in 2010. Presented a paper on measuring and being aware of energy usage.
- Presented a paper on How to Design a Renewable Energy System and Use Energy Efficiency to Reduce Carbon Footprint at the Power and Electricity World Conference in Johannesburg in March 2011.
- Net Metering Expert, 2011
- Community (Virtual) Power Station Expert, 2012
- Presented at Numerous Conferences on Green IT, Virtual Power Stations, Net Metering, Smart Grids, etc.
- Sold hundreds of Efergy e2 Electricity Meters.

David Lipschitz Curriculum Vitae continued:

Renewable Energy Clients include:

- **Gecko Rock & Training Video on Youtube**
 - Off Grid Photovoltaic System installed in 2010
- **Efergy Electricity Meter Sales**
 - Hundreds sold directly via my website and also to dealers
- **Private Home Owner and Business Energy Interventions**
 - A number of consulting interventions
- **Private Home Owner Installations**
 - I use a number of installers to do designs and installations
- **Government Consulting**
 - Working with political parties, cities and mayors to solve energy problems
- **Energy Research Projects**
 - Top 40 client
 - Advising people starting Energy Companies
 - Advising a foreign bank on an entry strategy into South Africa
 - Advising a number of blocks of flats on energy requirements for Lifts in their buildings

Movies

- **Appeared in the following Movies**
 - Gecko Rock Photovoltaic (PV) Power Station [Installation](#): 16 November 2010
 - The Five Winners: <https://youtu.be/saviH0t9OhY> 6 June 2012
 - Power2thePeople Full Length DVD: <http://youtu.be/wfkAs2zi1vo> 25 January 2013
 - [Learning about Energy](#) : November 2013
 - [Our Titles](#): June 2016

Conferences

• Conferences – Attended

- AEE Solar, Phoenix, Arizona, USA, February 2009 (wrote an article for the conference magazine)
- Retech 2009, Las Vegas, Nevada, USA, February 2009
- Solar Energy Africa Conference, Cape Town, September 2012
- SAPVIA (SA PV Industry Association), Cape Town, October 2013
- Concentrated Solar Power (CSP), Cape Town, April 2015 on behalf of SAAEA (South African Alternative Energy Association)
- Various CPLO (Catholic Parliamentary Liaison Office) Conferences attended
- BBC Africa Radio Debate, Cape Town, June 2015
- African Utility Week, 17th May 2016. I was on the Conference Advisory Panel

• Conferences – Presented

- To Parliament: Climate Change Hearings, November 2009
- To Parliament: SA RE Bidding Processes, on behalf of SAAEA, the South African Alternative Energy Association, June 2012
- To DOE: IRP2010 Hearings, November 2010
- Power & Electricity World Africa Conference, Joburg, March 2011
- Powering Africa Ministerial Conference, Cape Town, November 2011
- Africa Health Facilities Week Conference, Durban, May 2012
- African Wind Energy Conference, Cape Town, May 2012
- African Municipal Business Leadership Conference, Joburg, May 2012
- Workshops on Community Power Stations & Net Metering at Solar Power Africa Conference, Cape Town, August 2012
- Half Day Workshop on Community Power Stations at Power & Electricity World Africa Conference, April 2013, and was asked to do a short presentation to the entire conference
- Powering Africa Ministerial Conference, Panel Discussion, Cape Town, November 2013
- "Connecting to the Grid" at the Copper Industry Association One Day Workshop, Cape Town, April 2014
- Eco-Film Festival, Utrecht, Natal, June 2014
- SANEA Gas Industry Dialog Conference, Johannesburg, February 2015 on behalf of Treasure the Karoo Action Group (TKAG)
- CNBC Africa (DSTV Channel 410): Interviewed Live on Air and also via phone on two occasions, Cape Town / Johannesburg, June 2015
- Sub-Saharan Energy Conference, Cape Town, October, 2015: "Social Capital in an African Energy System".
- SAAE Conference, Johannesburg, November 2015. Spoke on "Social Capital in an African Energy System" and "Renewables and Embedded Energy and Storage as part of an Integrated, Smart, Energy Efficient, Grid."

• Conferences – Presented and Chaired

- Energy Efficiency Conference, Joburg, April 2010
- Green IT Conference, Joburg, March 2012
- Transformer & Switch Gear Conference, Joburg, April 2012
- PowerGen Conference, Cape Town, August 2014: chaired the discussion on "Renewable Energy Grid Integration"
- PowerGen Conference, Cape Town, July 2015: chaired a panel discussion

on "Energy Storage"

Also presented at many workshops, community organisation meetings, AGM's, and to the PSASA (Professional Speakers Association of South Africa), etc.

And had numerous letters published in the newspapers and magazine and been interviewed many times by radio and TV.

David Lipschitz Curriculum Vitae continued:

Information Technology Clients:

- **Vrede Textiles** (<http://orbital.co.za/text/vredecasestudy.htm>)
 - Vertical Blind Fabric Manufacturer
 - Atlantis, Cape Town, South Africa
 - Wrote Wages program whilst at university in 1986
 - Designed and Wrote Production Planning System in 1987/1988 for factory in Port Elizabeth
 - Client from August 1995 until factory was closed in 2013
 - Designed and wrote Full Production Management ERP System, including:
 - Stock control
 - Production tracking
 - Bar coded warehouse management
 - Planning
 - Reporting and Analysis
 - Multi Currency Invoicing
 - Used a number of subcontractors as required

- **Achievement Awards** (<http://www.awards.co.za/>)
 - Full Service Incentive and Loyalty Company
 - Incentive programs are for a company's staff
 - Loyalty programs are for a company's customers
 - Client since November 1997
 - Worked with staff at all levels including Board and Management team
 - Provided technical assistance and strategic advice
 - Worked on Datawarehouse and Balanced Scorecard System
 - Developed software mainly in Delphi, Oracle and SQL Server including detailed Oracle programs called Packages using PL/SQL
 - Worked in teams in various sizes
 - Worked on Call Centre system
 - Various incentive awards and loyalty campaigns written and maintained including providing transfers between mainframe and PC based systems, Internet connectivity, points calculations, sprints, statistical analysis and graphs, etc. Incentive and Loyalty systems that I have worked on include: Ackermans; ABSA; Caltex; BATSA; Financial Processes for Sanlam Loyalty Campaign; Debit Card Project; SAB (South African Breweries) Related Projects: e.g. Back The Boks (Rugby) Soccer Millions, Hansa, Dreher; Toyota; Mercedes; Renault; Samsung, UD Trucks; Iveco. Systems are written using Delphi, C#, PHP, Oracle and SQL-Server. Some of the interactions between Achievement Awards' clients and Achievement Awards are very complex and it is managing this complexity that gives Achievement Awards one of its advantages in the market place. Achievement Awards achieves another advantage by being ready with systems that allow clients to quickly outsource incentive and loyalty programs. **My task at Achievement Awards has been to help make this happen**
 - Rewrote: Debtors Invoicing System; Cash Book Receipts System; Creditors Invoicing System; Cash Book Payments System; Integrated these systems with AccPac/Sage with direct posting into AccPac/Sage, not by using Exports and Imports. Integration with Oracle and SQL-Server.

David Lipschitz Curriculum Vitae continued:

- Rewrote Monthly Invoicing System which takes the points issued and redeemed and produces the appropriate invoices
- Worked on various systems including Banking and Statement production
- Project Management System developed using: Microsoft Project, Oracle, Delphi, VBA, OLE, ODBC. The multi-project, multi-resource, multi-user system allows project managers to create their projects and resources to look at their tasks and update them without loading a project in Microsoft Project. Achievement Awards have added Costing, Scheduling and Time And Billing programs to this project. We also do things like Archiving all or parts of the Microsoft Project projects to speed up the system as well as creating new Resource Sheets to speed up the system.
- Mentoring a number of organisations (including **Cape Town Council; University of the Western Cape; Peninsula Technikon**) on using Oracle products including the Oracle Database, Oracle Designer, Oracle PL/SQL Web Toolkit and Oracle 9iAs in conjunction with **LeANO Technologies**. Interestingly when LeANO called me, I didn't have the Oracle Designer expertise, but they knew about my ability to design systems and told me it wouldn't take long to learn Oracle Designer and to help them with training.
- Consultancy, Contracting and Training for a number of companies including: **Stodels**: who required their stock control systems at their two dealerships to be synchronised and redundancy removed; **USABCO**: where we wrote a stock taking, stock tracking and warehouse management system. It was written and implemented using Delphi, Oracle, JD Edwards and Psion Scanners. It required 4 hours maintenance in total in 2002 and 2003 and I didn't hear from USABCO again until May 2009; **Dimension Data** who required a ReportSmith Training Course to be prepared and given in Dar Es Salaam, Tanzania; **TBA** (Thoroughbred Breeding Association) who required their catalogue system to be rewritten and ported from Paradox to Delphi and Interbase and then to be able to work on the internet; **Racing Manager** who required a specialised accounting and invoicing system for horse owners and managers.
- Networks: Full installation for **Vrede Textiles**; consultancy for some other companies.
- Computer Sales to more than 50 clients. Some of this work included Network Design, Optimisation, Windows Servers, Linux Servers, Email Gateways, Firewalls, Routing, etc.

Previous Work History

Orbital Decisions

Information Systems Consultancy, London, England

Nov 1994 to Jul 1995; Positions: Owner and Software Engineer

- 9 clients including support to 3 ship management companies.
- Travelled to Norway.

David Lipschitz Curriculum Vitae continued:

Moore Stephens Chartered Accountants, London, England: Nov 1990 to Nov 1994

- Development, maintenance, project management, implementation, system administration, and sales of a shipping accounting system in Informix on Unix, Novell, Windows, DOS and OS/2. Integration of Unix and Novell networks. Client and Staff Management. Working in or supporting: British, Greek, Italian, Turkish, Swiss and CIS (Russian) clients. International travel to Greece, Switzerland, Turkey.

Trace Computers PLC, London, England: Feb 1989 to Oct 1990

- EPOS and Mortgage systems development. System Attributes: client-server; distributed databases; connections to legacy mainframe systems. Conceptual and Technical Specifications. Worked on Unisys B20 to B39 range on ADS, Pascal and in teams of between 2 and 12 people.
- Suggested that project teams be sent to clients for a day near the start of the project to learn the clients' systems first hand so that the right bug-free systems can be delivered on time. This idea was implemented. Since then I have recommended this to every software development company I have worked with and where possible it has been implemented.

Jan 1987 to Jun 1989

- Contracting in England, South Africa and Australia including managing a multi-site Unix and DOS system. Systems included: investment management; production planning. Companies included: **Neric Automation** in Leicester, England; **QB Systems** in London, England; **Vrede Textiles** in Atlantis, Cape Town, South Africa; and **Eastcorp Investment Management** in Sydney, Australia.

David Lipschitz Curriculum Vitae continued:

Recommendations (from LinkedIn old profile):

"David was much more than an employer; he was a mentor. I learned more about my chosen profession working with him than in any other job since. He imbued ideals of broad-spectrum thinking, along with dedication to the task at hand in order to produce creative and high quality work.

His ability to communicate with clients is exceptional, which lead to a deep understanding of their business and processes. The resulting solutions were technically elegant and efficient, and continued performing with minimal maintenance. I believe the companies which employed his talents were better off for it; he produced systems and software that induced positive change throughout each organization." Written July 13th, 2007. Worked with me during the late 1990's.

Alan Givati, Programmer, Orbital Decisions

"David has been the key player in getting a high profile software project off the ground and implemented successfully." June 28, 2007

Kris Meuwissen, Oracle Database Administrator, self employed consultant

"David is very diligent in whatever he chooses to undertake, has a very admirable work ethic and provided me with incredible guidance when I was starting my career. His accomplishments give testament to his ability to deliver whatever he sets out to accomplish, whether that might be a professional undertaking or personal goal. I wish him the very best with his endeavours and would without reservation recommend his skills to anyone." September 11, 2008

Jake Biernacki
reported to David at Orbital Decisions CC

"Worked with David on a complex IT program for BATSA, my Client, for 5 years now and his work has been exemplary. A program that is rated internally by BATSA as one of their most successful initiatives." July 11, 2008

Top qualities: Great Results, Expert, On Time

Richard Cramer, Achievement Awards Group

David Lipschitz Curriculum Vitae continued:

"I admire David's professionalism in getting job done on timely manner and strive to do his very best to deliver not only to satisfy clients but also to challenge himself. David is talented, disciplined and trustworthy person, he is the person i strongly recommend to work with." April 4, 2008

Chun-Fook Wong, Systems Engineer, Moore Stephens International Ltd (UK)
reported to David at Moore Stephens

"David is a precise, hard working software developer who - in all the years I worked with him - never missed a deadline. David's involvement with projects - especially financially oriented systems - was always accurate and he could be relied on to deliver systems that worked, and provide the support needed to integrate and keep them working." March 6, 2010

Mark Regensberg, Technical Manager, Achievement Awards Group

"David, I must say it will be a pleasure to write a recommendation for you.

"Here is one of the most hard working developers i know. With Awesome analytical skills, great attention to details, program first time right ability, Helpful and trustworthy.

"David 's work is always on time and delivered with value added services.

"David thanks always for pushing energy efficiencies and being always willing to teach importance of energy.

"I have worked with David for several years now approximately a good 7 years.

"Well done David.... keep up the great work." October 1, 2013

Fabian Haridien, Account Manager at Achievement Awards Group

"David is strongly principled and effectively analytic. He approaches each project with the objective of getting the job done and adding value. He provides excellent documentation before, during and after completing a project.

"David has worked on both Information Technology as well as Energy related projects to my complete satisfaction." October 1, 2013

Barry Coltham, Client Service Director at Achievement Awards Group

“David is an inventive, passionate, highly intelligent and intuitive expert in the field. He embraces the challenge and works with commitment toward a solution, regardless of how much he may have to invest towards this end! An absolute pleasure to work with!”

Kathryn Strombeck, Credit Controller at Achievement Awards Group