

JJA Consulting Group Consulting Engineers



Jan Jinadasa - Managing Director

Welcome to JJA Consulting Group

innovative
consulting

JJA is a multi disciplinary, boutique, Building Services Engineering Company specialised in projects that are complex, highly technical, innovative, challenging and environmentally responsible. We are a company that is renowned in the industry for consistently providing comprehensive design documentation that is meticulously accurate and for our unprecedented knowledge of the building industry's evolving technology.

JJA has a group of highly motivated and qualified staff who are an integral part of the business and are dedicated to maintain the value and quality we provide to the industry and exceptional results for our clients.



Awards



Australian Achiever
1998



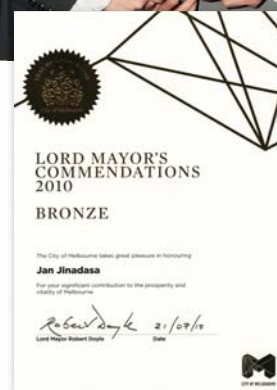
Small Business of the Year
1999



IES Award of Commendation
2009
Linfox Head Office Lighting Design



NECA - 2009
Best Communication Design &
Installation Linfox Head Office



City of Melbourne
Lord Mayor Commendation
2010

Valued Clients

Major Commercial Clients

- Audi
- Avalon Airport
- Bates Smart Architects
- Centrelink
- City West Water
- Clarke Hopkins & Clarke
- Clemenger BBDO
- Computer Share
- Country Road
- Department of Education & Training
- Designphase Australia
- Essendon Airport
- Foodworks
- Hewlett-Packard (HP)
- IBM
- Kane Construction
- Lend Lease
- Linfox
- McMillan Publishing
- Melbourne Business School
- Melbourne Water
- Mildura Airport
- Mildura City Council
- National Foods
- Phillip Island Race Track
- Townsville City Council
- VicSuper



Profile


Established in 1990, the success of the business to date is the result of building a loyal client base attracted by mutual values, common objectives, customer focus and a vision for excellence in the industry.

We always strive to exceed our client's expectations;

as such, innovation and utilisation of the latest technologies are driving forces in the formulation of our design; while functionality and unique appreciation of aesthetics are valued trademarks of our services.

Our surveys shows that clients who engages our services quote our ability to meet challenging project demands, the pursuits of quality, dependability and an uncompromising commitment to standards as reasons for continuing to do business with JJA.

Vision



The driving forces for JJA Consulting Group from inception was to distinguish itself by delivering excellence in customer service, provide uncompromising standard of engineering finesse with integrated multi-discipline capability and knowledge unmatched by our competitors.

This was the vision on commencement of the business, and remains the vision during all stage of our development to date.

One of our highest goals is to be recognised within the consulting engineering fraternity for making a significant contribution to the improvement or re-invention of engineering principles and designs that would achieve higher performances and efficiencies.

Brand Value

The service provided by JJA Consulting Group is characterised by an unswerving commitment to providing our clients with exceptional personal attention, excellence in design and the experience of an optimal system performance upon project completion.

We enjoy a reputation across the industry for continually producing documentation that is accurate and comprehensive in detail, which is a feat unrivalled in the industry.

With our vast experience and commanding knowledge of the building industry, our understanding of client's business risks and our forward thinking culture, makes us the ideal partner in your next design team.

Philosophy

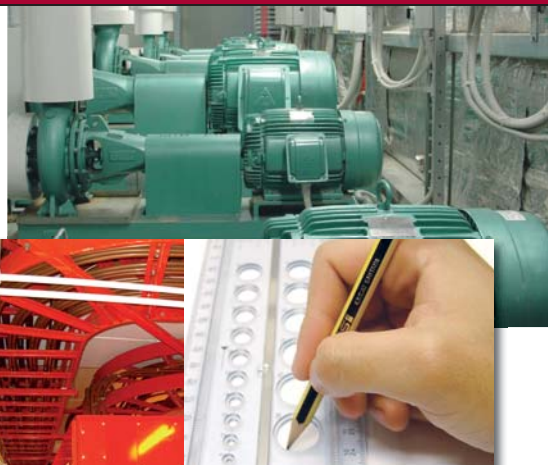
Fundamental to our objectives is assisting our clients to be successful; to this end we will work with our clients to understand their objectives and seek to provide value beyond basic engineering consulting services.

Our philosophy is that:

"if our clients are successful, we too will be successful."

JJA Consulting Group offers a comprehensive and integrated range of consulting services to clients including design documentation and coordination of all project services and will take responsibility for;

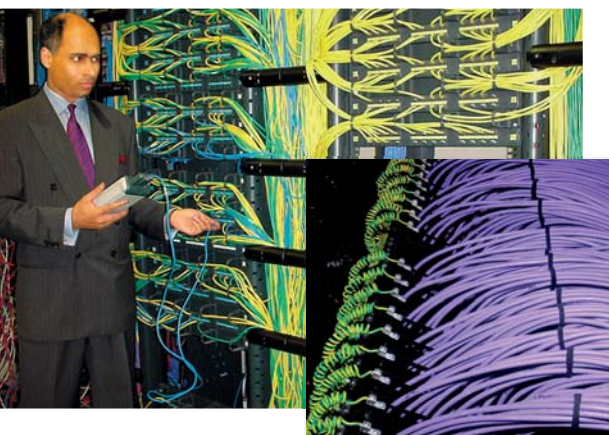
- Compliance with regulations.
- Meeting client's brief.
- Innovation and lateral thinking.
- Incorporation of the latest available technologies.
- Coordination of services with other external members of the design team such as architects, structural engineers, civil engineers, landscape architects.
- Energy efficiency in the design.
- Environmental sustainability.
- Project budget control.



Information & Communication Technology (ICT)

Areas of Expertise

- Communication data cabling network designs & configurations.
- Fully integrated high speed voice & data structured cabling systems.
- Communications system designs with diverse paths to minimise business down time.
- Fibre optic backbone reticulations and connection of remote nodes within buildings or on campus arrangements.
- Fibre To The Home (FTTH) infrastructure & system designs.
- Fully integrated Security, CCTV, Intercom, Pay TV, FTA TV, Data, Telephony, Nurse Call services are but some of the services that can operate on a common cabling platform.
- Wireless technology for buildings internally or externally.
- Use of microwave, RF or laser technology to connect remote buildings of long distance.
- Integration of audio visual systems, including video conferencing and tele-presence systems.



Data Centre Audits

Areas of Expertise

- Causes
- Hidden Issues
- Building Construction
- Mechanical Services
- Electrical Services
- Environmental Monitoring
- Management
- Fire Services
- Security



Fire Services

Areas of Expertise

- Residential & commercial fire sprinkler systems.
- Dry & wet pipe sprinkler systems in data centres.
- Fire hydrant & hose reel systems.
- Gaseous fire suppression systems.
- Fire & smoke detection systems.
- Multi-point aspirating smoke detection systems.
- Emergency warning & Intercommunication Systems (EWIS).
- Building Occupant Warning Systems (BOWS).



Data Centre Designs



Green Data Centre Innovations

- Free cooling by introducing full outside air.
- Use of generator power where possible during the testing of the generator.
- Heat recovery from the data centre to serve other parts of the building(s).
- Standardisation on energy efficient servers.
- Reduction of power by virtualisation of servers.
- Use of servers that turn off or turn down when not in use.
- Provision of blanking plates in data racks to fill gaps between servers.
- Hot aisle & cold aisle containment.

Areas of Expertise

- Access floor system.
- Computer room design & construction.
- Data communications.
- Standby power generation.
- UPS power supply.
- Essential power reticulation.
- Dry & wet pipe sprinkler systems.
- Fire suppression systems.
- Under floor & space fire detection systems.
- Multi-point aspirating smoke detection systems.
- High tolerance process cooling systems.
- Environmental monitoring and status alarm systems.
- Risk assessment & management.
- Plant and system redundancy.
- High level security system.
 - Intruder detection.
 - Access control.
 - Biometric access control.
 - Multi level security & man map control.
 - Digital closed circuit television [CCTV] systems.

Electrical Services

Areas of Expertise

- High voltage & low voltage network & reticulation.
- Site and campus electrical supply infrastructure.
- Central and distributed power reticulation systems.
- Switchboards & control centres.
- Prime and standby power generation.
- Co-generation & tri-generation systems.
- Uninterruptable power supply (UPS) system design.
- Specialised interior & exterior lighting design.
- Intelligent lighting control.
- Emergency & exit lighting.
- Lightning & surge protection.
- Master antenna television antenna systems.
- Integrated FTA and pay television systems.
- Public address system design.



Hydraulic Services

Water Management Expertise

- Water efficient fixture & tap outlet use in designs.
- Rainwater harvesting and collection systems.
- Recycled water reticulation system with efficient filtration.
- Grey & black water treatment and recycling.

Hydraulic Services Expertise

- Sanitary waste systems.
- Trade waste drainage & treatment systems.
- Waste treatment plants.
- Solar hot water systems
- Domestic hot water systems
- Potable water systems.
- Water pressurisation systems.
- Natural & LP gas service.



Expertise

Mechanical Services

Areas of Expertise

- Energy efficient air conditioning systems.
- Data centre high tolerance environmental conditioning systems.
- Passive and active chilled beam systems.
- Heating & ventilation systems.
- Dedicated toilet & tenant ventilation systems.
- Specialist kitchen extraction and scrubber systems.
- Clean room environments.
- Building automation systems (BAS).
- Hydraunic & convection Heating systems.
- Smoke hazard management systems.



Security Services

Areas of Expertise

- Intruder detection.
- Access control.
- Biometric access control.
- Multi level security and man trap control.
- IP or analogue closed circuit television [CCTV] systems.
- Face recognition.
- Video analytics.
- Seismic detection.
- Integration of CCTV with security & access control systems.
- Video wall integration.



Sustainability (ESD)

Areas of Expertise

- Design for occupant comfort.
- Passive solar thermal designs.
- Displacement and underfloor air distribution.
- Active and passive chilled beam systems.
- Outside air economy cycle and building purging.
- Indoor environment quality.
- Passive thermal storage systems such as rock labyrinths.
- Heat recovery systems.
- Energy efficient lighting systems and controls.
- Artificial lighting control in-conjunction with ambient light.
- Co-generation and tri-generation systems.
- On-site renewable energy generation via solar arrays and wind turbines.
- Water efficiency, storage and recycling.
- Waste management and recycling.



Projects

Commercial Office



Linfox Head Office - Essendon Fields

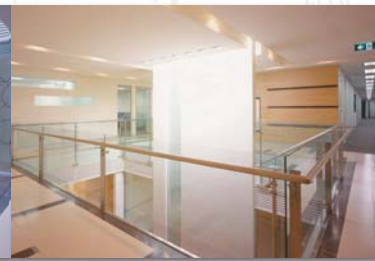
Client – Linfox Australia

Architect – Edgard Pirrotta Architects

Interior Architect – Designphase Australia

Project Value – \$20 million

Services Provided – Communications, Data Centre, Electrical, Fire, Hydraulics & Mechanical Services



Armaguard Head Office - Essendon Fields

Client – Armaguard

Architect – F2 Architecture

Interior Architect – Designphase Australia

Project Value – \$9.5 million

Services Provided – Communications, Data Centre, Electrical, Fire, Hydraulics & Mechanical Services



Audi Centre New Car Showroom – Brighton

Client – Audi

Architect – ERA 2000

Project Value – \$7.5 million

Services Provided – Communications, Electrical, Hydraulics & Mechanical Services



Other Projects

– Food Works Head Office – Malvern

– Clarke Hopkins & Clarke – Collingwood

– McMillan Publishing – South Yarra

– Melbourne Business School – Carlton

– Clemenger BBDO

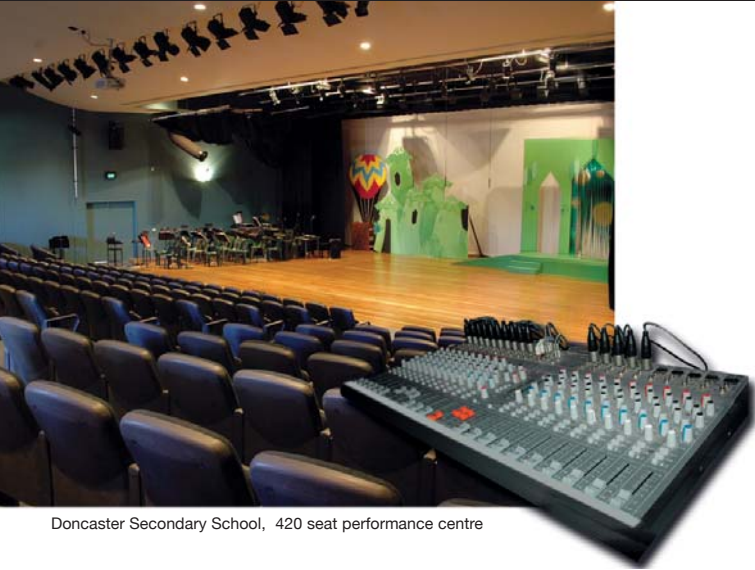
– Car City – Braybrook

Data Centre Audits

- Chep Australia
- Computer Share
- Department of Education & Training
- Melbourne Water
- Pratt Industries
- Radius Computing
- South East Water
- Townsville City Council
- Uncle Ben Industries
- Work Cover Australia



Educational



Doncaster Secondary School, 420 seat performance centre

- Don Bosco Catholic Primary School – *Narre Warren*
- John Paul College – *Frankston*
- Penola Catholic College – *Broadmeadows*
- St Ambrose Primary School – *Woodend*
- St Bedes Parish School – *North Baldwyn*
- St John the Baptist Primary School – *Koo Wee Rup*
- St Ignatius College – *Drysdale*
- St Josephs Primary School – *Chelsea*
- St Mary's Primary School – *Ascot Vale*
- St Paul Apostle Primary School – *Endeavour Hills*
- St Peter & Paul Primary School – *East Doncaster*
- St Theresa's Primary School – *Albion*
- Trinity College – *Parkville*
- Xavier College – *Kew*

Sustainability (ESD)



Linfox Head Office – Essendon Fields

Client – Linfox Australia

Architect – Edgard Pirrotta Architects

Interior Architect – Designphase Australia

Project Value – \$20 million

Services Provided – Communications, Data Centre, Electrical, Fire, Hydraulics & Mechanical Services



V5 & V6 – Convesso Concavo – Victoria Harbour

Client – Lend Lease

Architect – Bates Smart Architects

Interior Architect – Bates Smart Architects

Project Value – \$280 million

Services Provided – Communications, Electrical, Fire, Mechanical & Security Services

Health

RCH, Front Entry Building - FEB

Client – Lend Lease

Project Value – \$5.5 million

Services Provided – Mechanical, Electrical, Data, Fire, Hydraulics & Security Services

Other Projects

- Eltham Community Health Centre
- Rose Lodge Nursing Home - Wonthaggi



Hospitality

Avalon Airport

Client – Avalon Airport

Architect – Designphase Australia

Project Value – \$2.0 million

Services Provided – Communications, Electrical, Hydraulics, Mechanical & Security Services



Trust Restaurant & Bar

Client – Boccini Group

Project Value – \$2.0 million

Services Provided – Electrical & Hydraulics Services



Residential

V5 & V6 – Convesso Concavo – Victoria Harbour

Client – Lend Lease

Architect – Bates Smart Architects

Interior Architect – Bates Smart Architects

Project Value – \$280 million

Services Provided – Communications, Electrical, Fire, Mechanical & Security Services



Other Projects

- Samada Street, Notting Hill – Apartments
- Dundas Street, Preston – Apartments
- Grand View – Apartments

Data Centres & ICT

DIT - Data Centre

Client – DIT

Project Value – \$2.5 million

Services Provided – Communications, Electrical,
Hydraulics, Mechanical & Security Services



Linfox Head Office - Data Centre

Client – Linfox Australia

Architect – Edgard Pirrotta Architects

Interior Architect – Designphase Australia

Project Value – \$4 million

Services Provided – Communications, Data Centre,
Electrical, Fire, Hydraulics & Mechanical Services

Other Projects

- City West Water Data Centre – Altona
- Secured National Data Centre – South Melbourne
- VicSuper Data Centre – Melbourne
- BOC Gases Computer Facility – Torrensville
- Maritime Services Board – Sydney, Newcastle & Illawarra

Rural & Regional

Buchan Caves

Client – Parks Victoria

Project Value – \$400,000

Services Provided – Electrical Services



Port of Sale – Maria Re-Development

Client – Wellington Shire Council

Principal Consultant – GHD

Project Value – \$3.0 million

Services Provided – Electrical & Hydraulic Services

Other Projects

- RSL-Traralgon Sub Branch
- Department of Natural Resources & Energy - Horsham
- Crystal Inn - Bendigo
- Traralgon Bowles Club

Security Projects

Essendon Airport

Upgrade of the total land side & air side CCTV & gate access control system.

Linfox Head Office

Design of total building CCTV, security & biometric access control system.

Mildura Airport

Upgrade of the total land side & air side CCTV system.

Mildura CBD

Design of a new CCTV system as part of the "Safe City Security" programme.



Specialist Projects

Avalon Airport

Client – Avalon Airport

Architect – Designphase Australia

Project Value – \$27.0 million

Services Provided – Communications, Electrical, Hydraulics, Mechanical & Security Services



Linfox Maintenance Facility – Laverton

Client – Linfox Australia

Architect – Designphase Australia

Project Value – \$7 million

Services Provided – Communications, Electrical, Fire, Hydraulics & Mechanical Services



Philip Island Race Track

Client – Philip Island Race Track

Project Value – \$1.7 million

Services Provided – Electrical, Fire & Hydraulic Services

Other Projects

– Port of Sale – Maria Re-Development

– Essendon Airport – Runway Lighting Upgrade



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