

## PAUL BETTS

### EDUCATION & QUALIFICATIONS

**1983 - 1987 BSc Honours in Computer Science for Business  
inc Financial & Management Accounting**

**1995 - 1997 MSc in Information Systems Management  
inc Project Management - PRINCE**



**t: 07833618184**

**e: mosaicconsultingni@gmail.com**

### CAREER SUMMARY

#### BUSINESS SECTOR:

##### BOMBARDIER AEROSPACE

2016 - 2018 Leader – Global Manufacturing Competency Centre (covering North America & Central America based in Europe) Projects, Processes, Systems & Tools using Dassault's Delmia Apriso MOM platform

2010 – 2015 Strategy Planning & Program Manager for Global Manufacturing Competency Centre  
*New MES Solutions (Apriso within SAP ERP eco system)*

2007 – 2010 Senior Business Relationship Manager (for business functions: Supply Chain, Logistics and Manufacturing Operations including Quality) *New Factory & Vendor Hub*

1999 – 2007 Team Leader & Project Manager (Supply Chain, Logistics, Warehousing & Quality Control Systems) *New Warehouse*

1994 – 1999 Business Process Transformation Change Agent (*Company Wide BPR Project*)  
Six Sigma Agent  
Budget Analyst  
Change Manager  
Project Manager

1987 – 1994 Belfast MRP & Shop Floor Execution Systems  
Project Manager  
Account Manager  
System Analyst  
Analyst Programmer  
Programmer

1985 – 1986 BKS Surveys Ltd (*Ordinance Survey Map Makers*)  
Trainee Computer Programmer

#### MOSAIC (Consultancy)

2018 Bombardier Transportation contract consultancy engagement

2018 Change Management for Community Sector Project

2017 Mosaic Consulting NI was registered as a limited company

2003 - 2011 Self Employed Charity/Business Consultant

## JOB EXPERIENCE

### BUSINESS & IT

Over the past 20+ years I have been involved in project or program management of a number of major business and systems projects within Aerospace Operations (at Bombardier) to bring process improvement and competitive advantage. This has involved a blend of approaches such as agile , scrum, waterfall, to achieve lean IT deployments. Approximately 15 years were spent working on Shop Floor & Quality Control (MES Solutions) and a similar time on Supply Chain & Logistics (ERP Solutions).

It has involved familiarisation and hands on experience with many lean business operations and supply chain business concepts and practices such as KANBAN and Six Sigma. As Program or Project Manager in the activities below, my roles was to assist the business improve its processes by introducing new software and hardware and manage the change.

**TRANSFORMATION** (Kaizen, Communication & Andon Boards, Continuous Improvement)

**OPERATIONS** (Visibility Charts, Kanban, Labour & Materials Tracking, Takt, Value Stream Mapping, Fabrication & Assembly Processes – sheet metal, composites, electrical, machined parts, metal bonded)

**SUPPLY CHAIN** (MRP, Scheduling, Shortage Management, Line of Balance, Capacity Planning, Supplier/Vendor Management, Warehouse & Inventory Management, Order Lifecycle)

**IT SYSTEMS** (MES, ERP, QUALITY, FINANCE, HR, RF, RFID, Bar Coding, Hand Held devices, Automation, CNC controllers, Process Mapping, Agile, Scrum)

**QUALITY** (Six Sigma, OEE, FMEA, Non Conformance Management, Scrap Processes, Traceability, Conformity, TPM & TQM, Root Cause Analysis, 7 Wastes)

These projects have been with particular experience in Supply Chain / Logistics (procurement, warehousing despatch, transportation), Shop Floor fabrications & assembly operations, Quality control and Finance.

I have also worked in the third sector (charity) for the past 15 years, using project management skills to develop teams, projects, facilities and solutions to address social need in the community. These have included Counselling Services, Youth Services, Housing Scheme and Child Care Service as a social economy business. This work is also referenced below.

### BOMBARDIER

Listed is a summary of some of the business led projects and initiatives that I have been involved

Project Managing the deployment of Bombardier Manufacturing 'System' to Belfast (Business **Process Re-engineering Project** of Process, System & Tools for all business functions including the Design and Implementation of **New Logistics Store** and System {inc conveyors, RF technology}).

Project Managing the IS/IT aspects of the new **State of the art Composite Wing Facility** focusing on Supply Chain / Logistics and Shop Floor Operations

Managing the down Selection and Implementation of a **Vendor Hub** (including ERP interface)

Program management and leadership for the Design & Implementation of state of the art **Shop Floor Control System** for fabrications and assembly operations in North America from a Centre of Competence in Belfast. Responsible for our Manufacturing Execution Systems:

- Program & Project Management
- Solution Architecture
- Strategy and Planning
- Design, Development, Deployment and Support
- Team of Business Analysts & Developers

Project management for a **Shop Floor Control System** for Belfast Sheet Metal, Treatments plant, Weld Shop, Composite Manufacturing including CNC controller interfaces

Project Managing a **Non Conformance Management System** for the Aerospace Group

Introduction of **MRP** solution on aircraft programmes

2018 : Working on MES Solutions for Bombardier Transportation (Trains across Europe & North America). I then returned to complete some work for BT as a consultant.

I have had to **manage complex, cross functional, multi-site, multi-functional technical and business projects**. This has developed my leadership skills and involved extensive business/process improvement activities.

I have been involved in various continuous improvement and **transformation initiatives** within IT and the factories/functions that have employed lean approaches and my master's dissertation was on the application of Business Process Re-engineering within Bombardier's Manufacturing Operations.

Through these projects I have been involved with customers, internal and external suppliers on our evolution of **ERP and MES** Systems since the late 1980's and emerging trends within Digital Manufacturing.

This has involved integration with **DNC / CNC** systems and exposure to **OEE** and **Machine Tool Technology** in manufacturing and assembly areas.

I have enjoyed particular exposure to our various manufacturing environments and their respective NC technologies in **Composites, Sheet Metal, Machining, Pipe Shop, Treatments, Final Assembly Line and Warehousing/Despatch**.

Project experience involved the introduction of **radio frequency** hand held technology into our state of the art warehouse and factories.

Recent involvement in the new composite wing facility has involved process and systems design of complex processes involving new machinery, redesigned in-house software, advanced software packages and new IT infrastructure/hardware. This has exposed me to our current **manufacturing and supply chain strategies**(Integrator/RTI, RTM, third party logistics).

I am passionate about projects keeping focused on **Key** business drivers and **Performance Indicators** and maximising the usage of the solutions and reporting opportunities from the investments that are made

Travel for Bombardier has included visits to other Aerospace and Automotive manufacturing sites in China, Germany, Austria, Mexico, Netherlands, Poland, and Canada.

Management experience has involved leading and motivating a team of skilled staff to deliver technical solutions to a range of internal customers.

I attended the IDC Executives Manufacturing Summit in 2017 which explored many aspects and trends in Digital Transformation (IoT, Analytics, Big Data, Cloud, AI) [www.idcmanufacturingsummit.com](http://www.idcmanufacturingsummit.com)

**HOLLYWOOD FAMILY TRUST**

2002 – Present    Director of Hollywood Family Trust

- Founder
- Vision & Strategy
- Overall Leadership
- Project Manager
- Point of contact with Government bodies
- Secured Government Investment of £2.5M

1989 – Present    Trustee / Elder responsible for

- Marriages/Funerals & Pastoral Care
- Strategy & Change
- Community Engagement and Social Need

1993 – Present Volunteer & Director

I am currently a director of a charity called Frontline Development that have been developing a range of health and educational services to the most needy in India. As a charity consultant, I have carried out community audits and needs assessments for various groups in the province and guided their boards on strategic options for their charities.