



Hi there, I'm Thomas Franklin a Digital Transformation Specialist from Bedfordshire, United Kingdom.

**Digital Transformation Specialist;  
EKODA Founder & Director**

#### Get in Touch Directly:

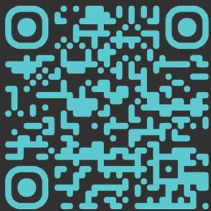
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To see my latest CV,  
Portfolio, and Service  
Offerings.



Scan the QR Code or visit  
<https://ekoda.co.uk/thomas-franklin-cv>

#### Seeking Projects in:

- PTC Windchill Bulk Migrations
- PTC Windchill Solution Architecture
- PLM Strategy and Business Development
- Software Development  
(For Industrial Companies)

## Summary

Experienced Product Lifecycle, Configuration, & CAD Management Specialist with over a decade of industry experience. Initially operating as a Design Engineer in industrial product design and manufacture. Now focusing on achieving process excellence & optimal efficiency in any organisational setting.

**“Digital Transformation through Culture, Process and System Harmony”**



Thomas Franklin

Biddenham, Bedfordshire, UK

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British

**Current Position:** Digital  
Transformation Specialist, Founder  
and Director (EKODA)

*IT, Engineering & Manufacture  
Consulting*

## Headline Skills

CATEGORY	KEY SKILLS & COMPETENCIES
Product Lifecycle & Configuration Management	PLM Methodologies, Configuration Management (CM2 Certified), Change Management, Product Data Management (PDM), Solution Architecture Design
PLM & CAD Systems Expertise	PTC Windchill PLM & PTC Model Manager - Installation, Configuration, Maintenance, Development, Migration & Integration  PTC Creo Parametric, PTC Creo Elements Direct, CAD/PDM Integrations (SolidWorks, Inventor, CATIA V5, Windchill CAD Management)
Data Migration & ETL	Data Extraction, Transformation, Load (ETL), Validation, Windchill Bulk Migrations
Engineering & Manufacturing	Product Development, Engineering & Manufacturing Processes, Lean Manufacturing, Process Optimisation, Digital Twin
Digital Transformation	Business Process Automation, System Integration, Enterprise Digital Strategy, IIoT, BI Dashboards, Solution Architecture
Software & System Expertise	PTC Windchill, ThingWorx, Creo Parametric, Kepware, ERP Integration, Software Application Management
Software Development	Java (Windchill Customisation, REST APIs, Workflows), JavaScript, HTML, CSS, SQL, AWS, Azure
IT & Infrastructure	Server Setup (Linux, Windows), Virtualisation (VMware, VirtualBox), Database Admin (MSSQL, Oracle), Server & Database Administration
Consultancy & Leadership	Project Management, Process Improvement, Client Relations, Training & Mentorship, Stakeholder Engagement
Industry Compliance & Standards	ISO 9001, ISO 10007, DEF-STAN 05-57, SAE EIA-649-B, NATO ACMP 1-7
Other	Full UK Driver's License, English Native Speaker, BPSS Level Security Clearance (Certified Jan-25)

## Qualifications & Education History

Qualification history is condensed, displaying highest qualifications.

### Engineering BSc (Hons) Degree

**First Class (Hons)**

August 2017



Northampton University, NN1 5PH,  
(0300 303 2772)

### CM2-C (Configuration Management)

**Certified**

December 2019



IPX Europe GmbH, Germany  
(+49 172 8586366)

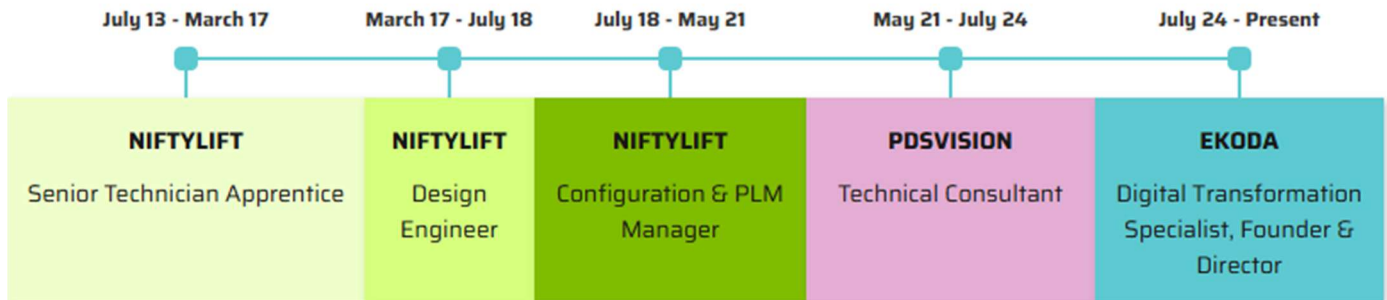
### PTC Technical Enablement Certifications and Courses:

- Windchill Fundamentals and Professional Certification (2022)
- Creo Parametric Fundamentals Certification (2022)
- Completed various PTC Technical Enablement courses in Windchill configuration, tuning, BoM management, and installation.




### Other:

- ILM Team Management (Level) Qualified
- Previous qualifications available upon request. These include: Engineering HND, Engineering HNC, A-Levels, GCSEs.

## Employment Timeline



## Employer History

			
Job Title	<b>Configuration &amp; PLM Manager</b>	<b>Technical Consultant</b>	<b>Digital Transformation Specialist, Founder, &amp; Director</b>
Employ. Duration	7 Years	3 Years	<b>[Employment Active] Since 2024</b>
Profile	Niftylift designs and manufactures world-class mobile elevating work platforms (MEWPs) – also known as cherry pickers. Their products are designed to be compact, lightweight, and environmentally friendly.	PDSVISION provides industrial companies digital tools to manage their products. Examples include CAD, PLM, IoT, and AR.	EKODA provides expertise and implementation resource to align industrial companies in their culture, processes, and systems to enhance their efficiency, and deliver high-quality, compliant products faster.”
Web	<a href="https://www.niftylift.com">https://www.niftylift.com</a>	<a href="https://pdsvision.com">https://pdsvision.com</a>	<a href="https://ekoda.co.uk">https://ekoda.co.uk</a>
Address	Chalkdell Drive, Shenley Church End, Milton Keynes, MK5 6GF	15 High St, Longstanton, Cambridge, CB24 3BP	Ebenezer House, Ryecroft, Newcastle-Under-Lyme, Staffordshire, United Kingdom, ST5 2BE

## Role History and Experience

EKODA - DIGITAL TRANSFORMATION SPECIALIST, FOUNDER

JULY 24 - PRESENT

I founded EKODA, a Digital Transformation consultancy focused on engineering and manufacturing industries. EKODA is built on a holistic three-pillar model—culture, process, and system harmony to enable businesses to achieve effective and sustainable transformation.

EKODA offers training, consultancy, and hands-on services across multiple domains, including:

- Awareness & Training Programmes
- Process Development & Optimisation
- Engineered Product Definition Services
- Software and System Services
- Data Services
- Software Development Services

**I act as a Contractor and Freelancer for PTC Customers and Resellers.** My technical knowledge and experience are primarily in PTC products, PLM, Engineering and Manufacturing Processes, Digital Transformation, and Software Development.

For 2025, my targeted projects are:

- **PTC Windchill Bulk Migration Specialist**
- **PTC Windchill Solution Architect**
- **PLM Strategic Advisor**

**Directorship:** I intend on establishing a brand and building relationships with customers and vendors, while delivering a variety of projects for Customers. Acting as a Director and running a business has been a value experience for deep learning of business operations, technical delivery, accounts and finance management, marketing and sales.

## PDSVISION – TECHNICAL CONSULTANT

MAY 21 – JULY 24

As a PLM Consultant I used my knowledge of Engineering & Manufacture, PLM, and Configuration Management principles on a daily basis to deliver high quality Digital Transformation Solutions to Customers.

- **Extensive knowledge in PTC Windchill and PTC Model Manager** architecture, functionality, Object Behaviour, Java classes, and database schema; as well as many of their modules and add-ons.
- **Extensive knowledge of Engineering & Manufacturing processes** in industry, able to derive requirements and define solutions to meet the needs of customers in multiple industries.
- Problem solver – **Digital Transformation, Engineering & Manufacture, and Information Technology** are significant knowledge centres. My skill is the ability to quickly learn and adapt, using a structured approach to logically solve any type of problem which presents itself.
- Knowledge in **PTC ThingWorx** architecture & functionality – such as mashup and service creation, JavaScript scripting for services, CSS scripting for Front-End UI. Hands-on experience in **PTC Kepware with ThingWorx**.
- A deep understanding of **system architectures, servers, data storage, communication protocols**, and beyond.
- Proficient Java **Software Developer**, particularly for PTC Windchill and PTC Model Manager. creating custom REST API controllers, servlets, complex workflows, and Java services, as well as using existing APIs. Creation of JSP Pages and Info\*Engine tasks within Windchill. Creation of custom action models and sub-applications.
- **Server hosting platforms** such as AWS (EC2, IMA, S3), Azure database instances, and Linux OS;
- **Databases, DBA, & SQL:** Microsoft SQL Server, MSSQL, Oracle DB instances, virtualisation (VMWare, VirtualBox, V-Apps), and physical server setup. Experience in setting these platforms up from scratch.
- Experienced in **CAD configuration** and usage with PTC Windchill. Primarily PTC Creo Parametric, PTC Creo Elements Direct, but with some experience in using Inventor, SolidWorks, NX, CATIA, PTC Arbortext.
- **Design and Engineering background** also means I have been using **CAD Modelling Softwares for over 18 years** (Pro/Engineer Wildfire being one of the earliest I used).
- **Experienced Consultant**, a comfortable understanding of the sales processes, quotation, planning and delivery processes; managing customer expectations and presenting myself and my work professionally.

### Day to Day

My role primarily focused on digital transformation services project delivery. I typically dealt with the escalated support cases, as well as carrying out internal process development and mentoring to enhance team member skill and performance. I typically carried out the service projects and support which are more complex, large, out-of-the-ordinary, and require higher level knowledge.

## NIFTYLIFT – CONFIGURATION & PLM MANAGER

JULY 18 – MAY 21

I worked closely with the 'Engineering Infrastructure Manager' and 'Development Director' to realise an enterprise-wide vision of PLM and Configuration Management success.

We established the 'Configuration Management and PLM' Team, of which, I was an original team member, manager and programme developer.

### Team Responsibilities:

- Process Management
- Requirements Management
- Enterprise Change Management
- Tool Management (Softwares)
- Team Management and Stakeholder Relations
- Data Management
- Knowledge Management and Retention
- Configuration & PLM Cultural Awareness and Training
- Configuration Structures (Items & Datasets)

### Personal Achievements & Responsibilities:

#### Programme & Team Management

- **Programme Manager**, Configuration Management & PLM: Led 70+ projects over three years, including Windchill EBoM, change management, CAD/PDM upgrades, and IoT dashboard development. Collaborated with Senior Management, Design, Manufacturing, Quality, Purchasing, and IT.
- **Team Manager**, Configuration & PLM: Oversaw task planning, delegation, and performance reviews for a 4-member core team, coordinating with internal & external stakeholders.

#### Process, Quality & Change Management

- **Enterprise Change Manager**: Processed 1,400 changes in six months, significantly reducing open cases.
- **Process Creator & Manager**: Developed PLM, Configuration Management, and QMS processes and documentation, specialising in 'As-Designed' configurations.
- **Quality Reviewer**: Ensured high engineering & QMS standards across all parts and document types.
- **Data Manager**: Handled identification, version control, and access management for enterprise datasets.

#### Technical & Systems Management

- **Technical Support Specialist**: Supported 150 engineers across three sites, resolving thousands of IT & Change Requests. Proficient in MS Office, CAD, ERP, and PDM systems.
- **Windchill PLM Administrator**: Managed a 160,000+ WTPart and 500,000+ dataset Windchill system, optimising efficiency & searchability.
- **CAD Manager**: Creo (3.0 – 5.0) expert, recognised as the go-to for CAD-related issues and guidance.
- **Software Application Manager**: Managed a mid-5-figure software budget across 120 users, overseeing research, implementation, training, and maintenance.

#### Training & System Development

- **Lean & Waste Reduction Specialist**: Applied lean manufacturing to optimise processes and data control.
- **Training Coordinator**: Managed knowledge retention & training programmes, collaborating with external trainers.
- **Dashboard & System Developer**: Built interactive BI dashboards with ThingWorx IoT and a Java Web-App for 2-way PDM data management.

- **Cultural Advocate:** Advocated CM2 methodologies, training internal teams on best practices.
- **Requirements Manager:** Established company-wide standards for clear and verifiable requirements, implementing V-model validation.

## Compliance & Industry Standards

- **ISO & Industry Compliance:** Ensured adherence to ISO 9001, ISO 10007, DEF-STAN 05-57, SAE EIA-649-B, and NATO ACMP 1-7 standards in Change Control & Engineering Data Management.

## NIFTYLIFT – DESIGN ENGINEER

MARCH 17 – JULY 18

As a **Design Engineer** I utilised various **CAD tools, analysis softwares, and hand calculations** to act as a Design Engineer and **Change Management Implementor** for **NPI** and improvements to existing products.

I began a role in ‘**Technical Process Improvement**’, which involved process implementation and first-line CAD Support.

Despite the company’s 25+ year history, PLM (Product Lifecycle Management) and Configuration Management had seen limited acceptance. I began to adopt a “Lead PLM Engineer” role.

This role balanced internal **CAD system support, coordinating external CAD and PLM consultancies**, and exploring new product & software development processes under the Engineering Infrastructure Manager.

Over time I took on Windchill PDM, ThingWorx IIoT, and Creo Parametric CAD administration. Eventually **managing all Engineering Tools and Softwares**.

## Key Responsibilities & Achievements

- **Developed a PLM Projects Plan** to improve digital processes.
- **Enhanced Windchill PLM** to better meet company needs.
- **Established relationships** with external consultancies & software vendors.
- **Built trust with internal stakeholders**, promoting PLM adoption.
- **Standardised CAD** user knowledge & best practices.
- Independently handled hundreds of **PDM & CAD IT support requests** across three sites, supporting 50 CAD & 30 non-CAD users.
- Created and reviewed **Quality Management System (QMS)** documents for Engineering.



## NIFTYLIFT – SENIOR TECHNICIAN APPRENTICE

JULY 13 – MARCH 17

I began my Engineering career as an apprentice within a world-class apprenticeship scheme lasting 48 months. The first 14 months of the scheme focused around developing skills and knowledge in hands-on Production and Manufacturing operations, followed by the remaining 34 months developing in Technical areas of the business.

- Logistics Control and Parts Management.
- Machine Production and Assembly Operations.
- Hand Tool, Pneumatics, and Gantry Cranes.
- Production Line Coordination and Management.
- Lean Manufacturing implementation.
- Implemented and maintained Kanban systems for 120T production line.
- Product Testing and Verification. MEWP Certified (at the time).
- CAD, Hand-Calculation, and FEA-based design of new and improvements to existing products.
- Adhered to industry standards (ISO, ANSI, EN280, CSA, AS/NZ).
- Product Change Management Implementor.
- Extended period in Electronics and Control Systems, contributing to electrical design and software development. Particularly the development processes.



### Apprenticeship Coordinator (April 15 – March 17)

- Coordinated the Apprentice Programme, overseeing interviews & training for 25 apprentices.
- Contributed to the MK Academy STEER committee, working with ABB, Deloitte, and Lynx Networking to enhance apprentice employment in Milton Keynes.
- Awarded 'Apprentice of the Year Milton Keynes 2016' for contributions to apprenticeship schemes and academic excellence.