

📍 KALUNDBORG, DENMARK

Timothy Lukolo

Architectural Technologist

NNE · KALUNDBORG · JAN 2022 – JAN 2026

Dorte Mandrup · KALUNDBORG · JAN 2021 – DEC 2022

PROJECTS

M3

PPV

KAJ16

Beckmann Tower & Vilhelm House

GMP Certified

PRINCE2® 7 Certified

About Me

Timothy Lukolo · NNE, Dorte Mandrup Denmark · Jan 2021 – Jan 2026

PROFESSIONAL BACKGROUND

Architectural Technologist at **Novo Nordisk Engineering (NNE)**, and **Dorte Mandrup architects** specialising in technical coordination, BIM modelling, and documentation for GMP pharmaceutical construction projects.

CERTIFICATIONS

PRINCE2® 7 Foundation & Practitioner certified.
GMP Course certified (Education) —pharmaceutical manufacturing compliance.

TECHNICAL SKILLS

Revit

Navisworks

pyRevit

Twinmotion

Dalux

Microsoft Office

LANGUAGES

English Fluent

Danish Working Proficiency

Polish Working Proficiency

Russian Working Proficiency

EDUCATION

BSc Architectural Technology & Construction Management — KEA Copenhagen (2019–2022).
BEng Building Engineering — Voronezh State University, Russia (2006–2011).

CONTACT

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NNE FOR NOVO NORDISK · KALUNDBORG

PPV Project —

Architectural & BIM Contributions



BIM Modelling & Revit Model Development

Developed and maintained Revit BIM models for the PPV API purification facility across all project phases, ensuring model accuracy and design intent.



Clash Detection with Navisworks

Coordinated and ran multi-discipline clash detection sessions across Architectural, Structural, and MEP disciplines to resolve design conflicts early.



Site Coordination & RFI Resolution

Collaborated with contractors on site to resolve RFIs, constructability issues, and HSE inspection findings, tracking corrective actions to closure.



BIM Handover Documentation

Prepared BIM handover packages ensuring model completeness and full compliance with Novo Nordisk client standards and GMP requirements.



Publicly available pictures

M3 Project

Site & Construction Coordination — Major Manufacturing Facility



Site Supervision & Contractor Collaboration

On-site coordination with contractors to resolve constructability issues and drive model/documentation updates throughout construction phases.



HSE Inspections & Corrective Actions

Participated in health, safety & environment inspections, documented observations, tracked corrective actions and followed up to closure.



RFI Resolution & Constructability

Managed Request for Information workflows, resolving design queries and ensuring constructability compliance on the M3 manufacturing building.



Multidisciplinary Coordination (Arch / Struct / MEP)

Coordinated design across architectural, structural, and MEP disciplines to maintain alignment and resolve interdisciplinary clashes.



Dalux

FIELD DOCUMENTATION & PUNCH LISTS

BIM Workflow & Tools



Autodesk Revit

BIM MODELLING

Developed and maintained full BIM models for PPV and M3 facilities across all project phases, ensuring model completeness and client compliance.



Autodesk Navisworks

CLASH DETECTION

Ran multidisciplinary clash detection sessions across architectural, structural, and MEP disciplines to resolve conflicts before construction.



pyRevit

AUTOMATION

Applied Revit automation scripting via pyRevit to streamline repetitive modelling and documentation tasks, improving delivery efficiency.



Twinmotion

VISUALISATION

Produced real-time 3D visualisations and architectural renderings to support design reviews and stakeholder communication on pharmaceutical projects.



Dalux

SITE DOCUMENTATION

Used Dalux for field inspections, punch list management, and site documentation on the M3 construction site, tracking corrective actions to closure.



GMP & PRINCE2® Certified

COMPLIANCE

Certified in Good Manufacturing Practice (Itucation) and PRINCE2® 7 Foundation & Practitioner (PeopleCert), ensuring GMP-regulated project delivery.

Clash Detection & Model Coordination

Federated model integrity across architectural, structural & MEP disciplines



Federated Model Testing

Imported combined Arch, Struct & MEP models into Navisworks; ran hard, soft, and clearance clash tests across both PPV and M3 projects.



Clash Report Generation

Produced structured clash reports detailing conflict type, location, and severity — issued to relevant discipline leads for action and tracking.



Multidisciplinary Issue Resolution

Coordinated directly with Architectural, Structural, and MEP leads to resolve clashes, track closure, and maintain model integrity through design iterations.



Model Integrity Assurance

Ensured buildability and reduced on-site conflicts by maintaining a clean, coordinated federated model throughout both project lifecycles.

INDUSTRY INSIGHT

BIM clash detection reduces on-site conflicts by up to 40% — an industry benchmark actively applied across the PPV and M3 projects at NNE, Kalundborg.



| 🏠 DORTE MANDRUP ARCHITECTS · JAN 2021 – DEC 2022

Kaj16 — Kromet Waterfront

Mixed-Use Residential & Commercial · Gothenburg, Sweden

🏢 INTERNSHIP / STUDENT ASSISTANT — ARCHITECTURAL MODELLING



Architectural Modelling & BIM

Supported architectural modelling for the Kaj16 waterfront development — a landmark mixed-use project on the Kromet site in Gothenburg, contributing to coordinated BIM deliverables.



Technical Documentation

Contributed to coordinated drawing production and technical documentation during detailed design phases, supporting the project's architectural and structural deliverables.



Waterfront Mixed-Use Design

Gained experience in large-scale mixed-use waterfront architecture — Kaj16 features residential, commercial, and public spaces integrated with the Gothenburg harbour landscape.

📍 Gothenburg, Sweden

🏠 Mixed-Use · Residential

📅 2021 – 2022



Beckmann Tower & Vilhelm House, Denmark | Dorte Mandrup

| 🏠 DORTE MANDRUP ARCHITECTS · JAN 2021 – DEC 2022

Beckmann Tower & Vilhelm House

Mixed-Use Residential · Carlsberg City District, Copenhagen, Denmark

🏢 INTERNSHIP / STUDENT ASSISTANT — ARCHITECTURAL MODELLING



80 m · 23 Floors

TOWER HEIGHT & STOREYS



196 Apartments

RESIDENTIAL UNITS



2,000 m²

SECRET COURTYARD
GARDEN



Architectural Modelling & Drawing Production

Supported detailed design modelling and coordinated drawing production for the Beckmann Tower and Vilhelm House — an 80-metre mixed-use tower in the historic Carlsberg City District.



BIM Deliverables & Technical Coordination

Contributed to BIM deliverables during detailed design phases, supporting coordinated documentation for the red brick façade, podium offices, and residential tower elements.

Thank You

Timothy Lukolo

ARCHITECTURAL TECHNOLOGIST | GMP CERTIFIED | PRINCE2® 7 CERTIFIED



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Denmark