

59.00 mm

12.90 mm

Kamel ESSRIDI

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Steelwork Draughtsman / Detailer
+ **Tekla Structures** Expert
& **BIM Tools** Developer

Tekla Structures ★★★★★
Aveva Bocad ★★★★★
Autocad ★★★★★

Professional Experience

Steelwork Draughtsman & Tekla Structures Expert & BIM Tools Developer

at **Eiffage Métal**
France | Vélizy-Villacoublay 78140
From 06.2025 ...Temporary agency assignment... to 10.2026

Projects : Cruas 2, Flamanville 2, Paluel 3 (NUCLEAR SECTOR - FRANCE)

Draughting & Design

- Reconstructed and modelled existing structures from point clouds.
- Designed steel structures and produced fabrication and erection documentation using Tekla Structures, in accordance with EDF requirements.

Development & Customisation

- Independently developed and maintained a dedicated Tekla FIRM environment, incorporating intelligent schedules, custom filters and dynamic automation macros.
- Supported the team in adopting the tools.
- **Tools** : Tekla Structures 2023/2024/2025, Autodesk RECAP Pro 2025, Trimble Connect

Steelwork Draughtsman & Tekla Structures Administrator

at **P-Metal**
France | Montauban 82000
From 01.2025 ...Temporary agency assignment... to 05.2025

Projects: Industrial and commercial buildings, architectural structures and complex structural works (FRANCE)

Draughting & Design

- Proposed technical solutions, modelled structural steelwork and produced fabrication and erection documentation.
- Prepared cladding and roofing layouts, installation drawings and sheet metal fabrication details.

Development & Administration

- Created a customised Tekla FIRM environment, developed parametric components and trained the team in new tools and management methods.
- Managed access through Trimble Connect and allocated licences using Tekla Online Admin Tool.
- **Tools** : Tekla Structures 2022/2024, Autocad LT 2025, Trimble Connect

FREELANCE Steelwork Draughtsman & BIM Tools Developer

Kamel ESSRIDI EI / client **BG-Ingénierie**
France | Évry-Courcouronnes 91000
From 08.2024 ...Self-employed... to Present

Focus: Workflow optimisation and BIM interoperability

Tekla Structures Customisation

- Optimised the FIRM environment through drawing templates, custom reports and filters, standardised numbering conventions and a preconfigured model template.

Development & Automation

- Developed an Excel/VBA macro to interpolate model geometry from SCIA Engineer into Advance Design, in accordance with the required import and export formats.
- **Tools** : Tekla Structures 2023, Excel, SCIA Engineer, Advance Design

Steelwork Draughtsman & Tekla Structures Expert

at **Les Charpentiers de Paris**
France | Wissous 91320
From 04.2024 ...Temporary agency assignment... to 05.2024

Project: Slab strengthening using steel structures (FRANCE)

Draughting & Design

- Reviewed existing drawings and designed and modelled strengthening works using Tekla Structures.
- Produced fabrication and erection drawings and associated schedules.

Tekla Structures Customisation

- Migrated the FIRM environment to the cloud through Trimble Connect to centralise configurations and facilitate collaboration.
- Trained the team in the new FIRM management procedures and associated tools.
- **Tools** : Tekla Structures 2022/2024, Autocad, Trimble Connect

Steelwork Draughtsman & TS macro Developer

at **Vulcain Engineering**
France | Neuilly-sur-Seine 92200

client-1 / **RTE-France**
France | Puteaux 92800
client-2 / **kelvion thermal solutions**
France | Nantes 44300

From 04.2021 ...Permanent contract... to 09.2022

Steelwork Draughtsman & TS macro Developer

at **Assystem**
France | Courbevoie 92400

client / **Edvance**
France | Malakoff 92240

From 04.2020 ...Project-based permanent contract... to 04.2021

Steelwork Draughtsman & TS Customisation specialist

at **Vinson Frères**
France | Livron-sur-Drôme 26250
From 03.2019 ...Permanent contract... to 04.2020

Steelwork Detailer

at **Baudin Châteauneuf**
France | Châteauneuf-sur-Loire 45110
From 01.2016 ...Fixed-term contract... to 12.2016

Steelwork Draughtsman

at **Waltefaugle**
France | Dampierre-sur-Salon 70180
From 12.2014 ...Fixed-term contract... to 12.2015

Training provider: **Philiance Formation**
France | Courcouronnes 91080
From 11.2022 to 09.2023

Frédéric Fäys Secondary School
France | Villeurbanne 69100
From 09.2011 to 06.2013

Projects: Industrial steel structures and electricity networks

(FRANCE-ARABIE SAOUDITE - IRLANDE DU NORD)

RTE – Design & Technical Solutions

- Modelled electricity pylons and produced detailed construction drawings.
- Developed macros to optimise modelling and improve numbering reliability.
- Created parametric profiles to resolve modelling challenges.
- **Software** : Tekla Strucutres 2020, Autocad, Tower

Kelvion – International Projects

- Modelled large support structures for heat exchangers.
- Produced general arrangement drawings and fabrication and erection documentation for projects in France, Northern Ireland and Saudi Arabia (adapting to US requirements and AISC section catalogues).
- **Tools** : Tekla Strucutres 2020, Autocad 2018 & Revit 2019

Project: Hinkley Point C Nuclear Power Station

(ROYAUME-UNI)

Draughting & Design

- Used PDMS data to model steel structures and connections in Tekla Structures.
- Produced detailed construction drawings and schedules in English, in accordance with project specifications.

Automation & Document Management

- Developed parametric macros tailored to modelling requirements.
- Submitted deliverables through the electronic document management portal.
- **Tools** : Tekla Strucutres 2017, Autocad 2018, PDMS 2016, Navisworks Simulate 2018

Projects: Industrial and commercial buildings, civil engineering structures and nuclear facilities

(FRANCE)

Draughting & Design

- Modelled primary and secondary steelwork, proposed technical solutions and produced fabrication and erection documentation.
- Prepared NC files and nesting layouts in Steel Project for workshop production.

Development & Administration

- Completely redesigned the Tekla FIRM environment and standardised numbering conventions, templates and filters.
- Created report templates using XML markup for CSV export.
- **Tools** : Tekla Strucutres 2019, Autocad LT 2018, Steel Projects PLM, Sage Bâtigest i7

Project: Flamanville EPR (Fa3)

(FRANCE)

Draughting & Design

- Modelled secondary steelwork using AVEVA Bocad.
- Produced detailed construction drawings and fabrication and installation documentation.
- Updated drawings to match structural calculations and assisted with quantity take-offs.
- **Tools** : AVEVA Bocad 2.2, Autocad

Projects: Agricultural and industrial buildings

(FRANCE)

Draughting & Design

- Modelled structures and prepared fabrication and erection drawings.
- Carried out basic connection checks and developed extension proposals from archive drawings.
- **Tools** : AVEVA Bocad 2.2, Tekla Strucutres 18, Autocad, Tekla BIMsight, SAP 3D Visual Enterprise Viewer

Qualifications & Training

Professional Qualification in Web and Mobile Web Development

(FRENCH RNCP LEVEL 5 – AWARDED SEPTEMBER 2023)

- Development of a B2B e-commerce website using PHP, Symfony, Twig and Sass.

BTS in Structural Steelwork

(BTS – AWARDED JUNE 2013)

- Structural steelwork design and draughting, including connection calculations in accordance with the Eurocodes and French CM66 rules.