

REBAR DETAILING- BIM APPROACH

Structural Engineers prepare 'Design Drawings' that develop required strengths by providing adequate **rebar** size, spacing, location, and lap of steel. **Rebar detailing** is the discipline of preparing 'reinforcement-placing' drawings and shop drawings of steel reinforcement for construction and rebar estimation.. The advent of BIM* solutions in engineering has rendered '*CONSTRUCTION READY LEVEL OF ACCURACY*' in rebar detailing and hence *3D rebar detailing* has gained a wide acclaim in providing quality information in the construction process tending to make it less risky and more productive. This 3D detailing approach has reduced rework and project delays.

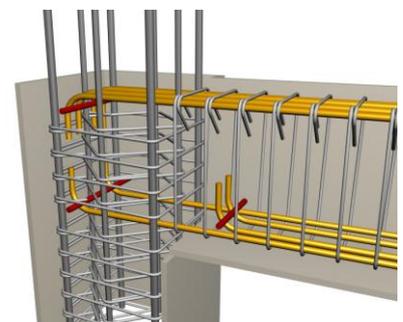
BIM* - Building Information modeling

Engineers is responsible for the design and detailing of reinforcement for RC structures, but the way that information is now being shared is undergoing a massive shift in engineering companies. No longer can an engineer just issue some drawings and schedules and let the site team interpret their design requirements. Now, with the advances in TEKLA, engineers not only have the ability to design reinforcement for real time analysis but to export these models directly to detailing software to provide perfect information for the teams on site.

As the most advanced BIM software for 'Rebar detailing' in reinforced concrete construction, TEKLA has become the market leader in its domain of rebar detailing.

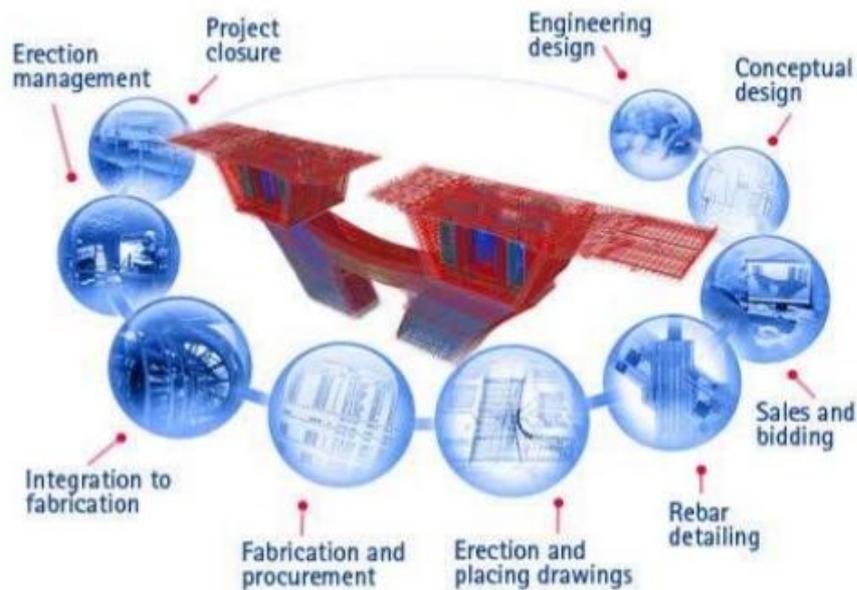
WHY ENGINEERING FIRMS RESORT TO 3D REBAR DETAILING PRACTICE

- Automate repetitive work in creation of drawings and bar bending schedules
- Avoid human errors and keep information in all documents consistent.
- Number rebar automatically and ensure reliability of schedules and drawings
- Transfer fabrication-quality data efficiently,
- Quickly adapt to project changes and keep all documents up-to-date
- Save time, by reducing RFI's* from factory and site.
- Attaining **construction ready level accuracy** in detailing



*RFI- Request for Information

REBAR WORKFLOW



DEMAND FOR REBAR DETAILERS

As the engineering companies have shifted to BIM based reinforced concrete project execution strategy, the job demand for **TEKLA Rebar detailers** are on the increase. Some of the companies engaged in TEKLA Rebar detailing are listed as follows.

COWI

INTEC

ATKINS
Member of the SNC-Lavalin Group

PRECAST
INDIA 2012

RAMBOLL

PPS
PRECISION PRECAST SOLUTIONS Pvt. Ltd.

**PAN GULF
STEEL**

Prothious
ENGINEERING SERVICES

RIGHTSERVETM
EYEBALL EXPERTISE

L&T Construction
Buildings & Factories

L&T LARSEN & TOUBRO

TATA
TATA PROJECTS LIMITED

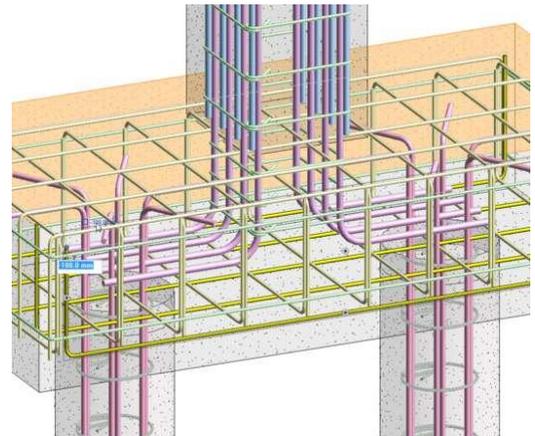


ABOUT TEKLA REBAR DETAILING INTERNSHIPS

CASE Structural Engineers provide TEKLA Designer internships for Degree / Diploma Engineers in Civil to work in **Rebar Detailing** industry.

For more details of internship contact:

Phone: +91 474 2748603
+91 94968 85873
Email: info@caseengineer.com



Engineers are requested to visit the office for more information about TEKLA Rebar Detailer job profile.

ABOUT CASE STRUCTURAL ENGINEERS

CASE STRUCTURAL ENGINEERS, Kollam, India are innovative and dynamic structural engineers providing sustainable design engineering services and training in building systems, power and hydro carbon industries. Our structural engineering team has extensive experience in design and detailed engineering services for global projects conforming to AISC, ACI, BS EN and IS standards.

CASE Structural Engineers is also designated by **TRIMBLE India** limited as **AUTHORISED TEKLA TRAINING CENTRE in India**