CONCRETE (CIP & PRECAST) - BIM SERVICES
Empowering Concrete Contractors

- Cast in Place Concrete 3D Model
- Pre-Cast Concrete 3D Model
- Reinforcement 3D Model
- Doka, Peri, Gates Formwork System 3D Model
- Column Barrier 3D Model
- Post Tensioned Cable Modeling
- Steel Embed 3D Model
- Stud Rail 3D Model
- Constructability Review and Report
- Clash Coordination and Report
- Lift/shop Drawing
- Bill of Materials
- Bar Bending Schedule
- 4D Construction Phasing

- Cip Concrete Outline Drawing
- Pre-cast Shop Drawing
- Formwork Shop Drawing
- Embed Shop Drawing
- Reinforcement Shop Drawing
- Shoring Layout & Detailing
COMMITMENT

We are committed to our core values and corporate mission:

- Maximizing client value by adopting the latest technologies and innovations
- Improving project efficiency by streamlining workflow and providing services of superior quality
- Saving time by using a large global team and leveraging time zone advantages
- Reducing the client's expenditure by up to 15% by intelligent use of a dedicated workforce

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Revolutionizing the Concrete Construction

Proper planning and coordination are the keys to the successful execution of projects in the construction industry. Building Information Modeling (BIM) allows stakeholders to create and examine virtual representations of the Mechanical and Electrical (MEP) systems, and other utilities.

The virtual construct can be used to generate accurate shop drawings and address design issues before construction begins. Advancements in 3D technology and the advent of BIM have revolutionized the Architectural, Engineering and Construction (AEC) industry.

Pinnacle Infotech has been acknowledged as the global leader in providing innovative BIM solutions. We have received several awards and recognition from both industry and government.

Our process orientation & quality control is as per ISO 9001:2008 and ISO 14001:2015 standards.

Serving the industry for more than 20 years in 36 countries with 5051+ projects, Pinnacle acquired deep understanding of international building codes and procedures. Our global delivery system allows us to maintain constant contact with our clients making geographical separation meaningless.

We recognize the importance of effective work process management and regular communication when outsourcing services. We have developed an ideal mix of infrastructure, experience, global presence and commitment to excellence that has led to long-term relationships with more than 1151 clients worldwide.

Building Information Modeling - Concrete

Building Information Modeling (BIM) is the creation and use of coordinated 3D model via link to intelligent database for a construction project. BIM concrete model enables seamless collaboration among Architects, Engineers, Contractors and Sub-Contractors enabling quick decision making, accurate construction documents, better construction management. BIM offers structural engineers complete control over the design and detailing of concrete, steel and reinforcement.

Structural Elements Modeled in BIM:

<table>
<thead>
<tr>
<th>Horizontal Members</th>
<th>CIP Elements</th>
<th>Precast Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pile Cap, Footings and Foundation, Elevator Pit &amp; Sump Pit, Grade Beam, Slab on Grade, Drop Panel, Beam, Slab, Ramp, Concrete Topping, Over Framing Slab, Concrete Curb, Pour Strip, Construction Joint Concrete Deadman, Equipment Pad</td>
<td>Pile Cap, Beam, Double Tee Beam, Gravity Beam, MOment Beam, Double Tee Floor, Ribbed Floor, Ramp</td>
</tr>
<tr>
<td>Vertical Members</td>
<td>Pile, Column, Wall (Concrete &amp; CMU) Retaining Wall, Construction Joint, Water stop, Stair, Corbel</td>
<td>Pile, Moment Column, Gravity Column, Column Cap, Corbel, Tilt Up Wall, Stair</td>
</tr>
</tbody>
</table>
Benefits of Concrete Modeling

- **VISUALIZATION:** 3D visualization provides a three dimensional virtual representation of the whole building/structure. Real time view with owners ensured optimization of the design to reduce changes during construction.

- **COLLABORATION & COORDINATION:** 3D model enables flawless collaboration among Owners, Contractors, Engineers/Architects in a virtual environment. Collaboration take place on real time basis leading to significant time saving in a normal traditional process.

- **DESIGN VALIDATION:** 3D concrete model validates accuracy, completeness and consistency of the design even the end users being able to virtually see their facilities in real time.

- **EFFICIENCY:** Eliminates RFIs, work stoppages, and rework by checking the accuracy and completeness of drawings before starting construction on-site/off-site.

- **QUALITY:** Improving quality by producing accurate Shop Drawings directly from the 3D BIM model which is also used for prefabrication.

- **COST CONTROL:** Preconstruction and prefabrication reviews mean better use of manpower, better quality of constructions, and reduced rework and wastage, all of which translate into lower costs.

- **PROJECT MANAGEMENT:** Detailed material BOQ and Shop Drawings with 3D visualization enable a better look at the “Big Picture” help in the review, scheduling, and monitoring of each project.

  Our clients have reported cost savings up to 15% by successfully implementing BIM.

**CIP Concrete 3D Model**

- Hotel
- Parking Structure

**Precast Concrete 3D Model**

- Maintenance Hanger
- Commercial
Post Tension, Embed & Studd Rail 3D Model

3D Model of Reinforcement

Constructability Analysis

Virtual project construction in BIM enables independent review of the construction plans and specifications. This identifies discrepancies in drawings and all constructability issues at preconstruction stage. During the constructability review, our BIM team generates a series of RFIs to identify the following types of constructability and operational issues:

- Missing Information / Documents
- Input Inconsistencies
- Conflicting Data
- Other Constructability Issues

The 3D BIM is updated on the basis of the responses to the RFIs. Status of all RFIs is maintained in a log and follow-up is done to resolve them at the preconstruction stage. This eliminates work stoppages and rework during construction.
Concrete Lift Drawings

Lift Drawings are created on the basis of project standards and are useful to contractors, fabricators, suppliers, and manufacturers during construction. BIM is highly useful for construction of irregular and complex structures. These drawings are directly generated from coordinated BIM models and are detailed enough for on-site precasts. Advanced BIM tools help in revision management.

Stadium Project Sample

Hospital Project Sample

Foundation Plan

Foundation Plan
The Bar Bending schedule helps in the management of reinforcement bars that need to be cut and bent into rebars. BIM Model provides the following details:

- Break down of bars by quantity and diameter
- Cross sectional views
- Length, weight, and shapes of bars
4D Construction Phasing and Monitoring

Project construction schedule/sequencing is linked to the BIM model. A real time simulation of the construction sequence is shown in Navisworks Time Line or as an animation video format. During the entire duration of the project, the Planned vs. Actual construction schedule is compared and presented.

Users can visually associate model objects and scheduled tasks, when the project plan is established in visual simulation. Users can click on a building object in the 4D visual environment and can view its associated task highlighted in the Gantt Chart or vice versa.

**Planned Status**
- Foundation, 1st - 5th Floor - 100% complete

**Actual Status**
- Foundation, 1st - 4th Floor - 100% completed
- 5th Floor Column 100% Completed
- 5th Floor Wing I Slab 100% Completed

*Delay in completion: 10 days*

Dynamic Quantity Schedule

BIM helps to accurately calculate the required quantity measures of all materials. The quantities are automatically updated whenever there are any changes in the BIM model. Bill of Material reports can be formatted in Excel and exported to a database for detailed analysis. Quantities can be generated for a specific time period or project area (4D/5D) to help manage material procurement and save inventory costs.

**Concrete Bill of Quantity Sample**
Quality Control Process

Our QC process is ISO 9001:2015 certified and managed by an independent QC team. We have implemented Environment Management Systems (EMS) 14001:2015.

The main objective of the quality control (QC) process is to detect errors and rectify it. Ensuring quality is a group effort and our dedicated QC team is led by a highly qualified and experienced Manager in M&E Coordination and Quality Control.

The entire QC process is handled in three phases:

- **QC 1**
  - Plot Check
  - Performed by Production Team

- **QC 2**
  - Screen Check
  - Performed by QC Dept./Team

- **QC 3**
  - Pre-Shipment Check
  - Performed by Project Manager

- **DELIVERY TO CLIENT**
  - 100% Quality

**QC Check Phase I**

- The model is plotted on paper and a preliminary grid by grid check is done comparing it with the original contract documents. Member of the Project Management team assists in this process.
- The project team leader sends status report to the QC Department to begin QC Phase II.

**QC Check Phase II**

- The QC Team performs a more detailed comparison of the Contract Documents against the 3D BIM model. Specific Checklist is prepared to review/check the deliverables. Their main objective is to review, identify and address the following:
  - Missing data (if any)
  - Mismatches with the contract documents
  - Clashes (Old/New), Elevation, Routing, Fittings, etc.
  - Construction point of view
  - Attribute Checking (Pressure class, Pipe material, etc.)
  - Location of Equipment such as VAV, Sleeves, Hangers, Valves
  - Equipment Connection details as per Schematic Drawings
  - Equipment Models as per Technical Submittals
  - Annotations & Dimensions, Aesthetic View
  - Miscellaneous issues

- The QA/QC Team continuously interacts with the Project Lead and other team members to resolve all technical issues related to the project.

**QC Check Phase III**

- The Project Manager conducts the pre-shipment check before sending to the client.
Why Pinnacle?

Pinnacle is a global leader in providing innovative BIM services. Our in-house team of more than 1250+ experienced Architects, Engineers and BIM professionals helps us provide end-to-end solutions to discerning clients around the world. Our 3,80,000 sq. ft., multi-locational, world-class production facility is equipped with high-end workstations, advanced servers with real time backup and a high speed data and voice network. Prompt interaction with US Based Relationship Managers for Consultation and Solution. There is a 24 x 7 uninterrupted power supply security system by CISCO.

Quality Output

Our Quality Control Team is led by employees who have more than 30 years of experience. Our process orientation & quality control is as per ISO 9001:2015 and ISO 14001:2015 standards. Our Pre-construction & Pre-fabrication reviews with RFI generation help clients make better use of manpower and improve the quality of construction, reducing rework and wastage. Detailed Material BOQ & Shop Drawings with 3D visualization enable a better look at “The Big Picture” and aid in the review, scheduling and monitoring of each project.

Fast Turnaround

Our skilled team of professionals can provide quick turnarounds on complex projects. Pinnacle has successfully completed several large-scale projects across multiple verticals.

Less Expensive

Clients rely on us for our top-of-the-line services at reasonable rates. We help clients assemble projects in a virtual environment for identifying and correcting potential problems before construction. We offer cutting-edge advantage in terms of Building Information Modeling services, facilitating project coordination, collaboration, asset management, risk mitigation, logistic planning and cost optimization.

Technical Strengths

Our professionals use the latest BIM software: Autodesk Suite (Revit, all versions), AutoCAD Architecture, MicroStation, Navisworks, Inventor, AutoCAD Civil 3D, Plant Design Suite, Pro/Engineer, SysQue, All Plan, Adobe Photoshop, Adobe Illustrator, Adobe After Effects, 3DS Max, Tekla Structure, SolidWorks, Autodesk Fabrication Suite, SketchUp, Bluebeam, PIPENET, and other design software. As we have a deep understanding of global and regional codes and standards, we have ensured that our Quality Management System is as per ISO 9001:2015.

Global Presence

Pinnacle has offices around the world (USA, UK, UAE, ITALY, INDIA - Durgapur, Kolkata & Jaipur) enabling us to serve our clients around the clock.

Experience in BIM Domain

We have a global experience of 15+ years and have successfully collaborated with several leading contractors on BIM projects for specialty hospitals, stadiums, universities, dams, apartment complexes, hotels, casinos, large retail center, high school, airport, commercial buildings, convention center, high rise towers, and industrial projects.

Communication

Pinnacle’s Project Management team is available to clients through a number of communication channels including:

1. Global telephone networks for instant communication
2. Amazon Web Service (S3) for file transfers
3. Email (on Google server) for reports and interactions
4. Video and teleconferencing for presentations and conversations
5. Web conferences with US based phone systems
6. BIM collaboration through BIM 360, Revizto, Bluebeam Studio etc.
7. Newforma project information management system
8. Engagement of US based Relationship Managers
Testimonials

“Pinnacle has been a real asset to the project. Their team is very knowledgeable and efficient at the BIM process and has provided an end product that is very useful to not only the construction coordination and installation, but also the end users of the facility.”

Chuck KonKolics | The Whiting-Turner Contracting Company

“My experience in working with Pinnacle has been very good. Pinnacle assisted Baker on a very complex and demanding project and Pinnacle’s hard work, dedication and attention to detail really contributed to our team’s success on the project. Thanks to the Pinnacle team members for their hard work, dedication, and quality work that they provided to Baker on this project.”

Kevin McGuire | Baker Concrete Construction, Inc.

“Pinnacle delivers a great deal of value for a very reasonable price. They consistently deliver my expectations on-time.”

Ryan Tingey | Turner Construction

“This was my 2nd project with Pinnacle and I am satisfied with Pinnacle’s problem-solving approach and quick turn-around. The project at this time was a bit unique and challenging, but the positive attitude of Chandan and his team mitigated the challenging conditions and delivered to us a high-quality product. More we work together easier we communicate especially on some unique protocols existing in Japanese construction industry. Thank you.”

Tatsuya Inokuchi | Obayashi Corporation

“I am a returning client following the good experience I had with Pinnacle at the Guam Naval Hospital. Pinnacle completes their work in an efficient and expedient manner and I appreciate that meetings are scheduled to discuss questions. The volume of RFIs has been relatively low and Pinnacle has presented several good questions for the designer to help resolve discrepancies.”

Christopher Beaman | Guam MACC Builders

“Subject project (Pinole Valley High School) in which Pinnacle Infotech detailed "Structural Concrete Tilt Wall Panels" is a high level of difficulty/complicated project. Tilt wall detailing and modeling was coordinated and completed per the documents provided along with the submission and implementation of RFIs of areas in question to insure accuracy of dimensions and details. Pinnacle Infotech is also open to coordinating through the process of phone and on-line conference calls which are critical and necessary to complete submittals as not to delay field activities.”

Lamar Matthews | Greg Carpenter Concrete Inc

“Overall good experience. Complicated Job with keeping track of many design changes and RFIs that were issued on the job. Pinnacle preformed very well with the large amount of changes on this hospital project. All the section views and keys/legends provided on the shop drawings meet expectations and were outstanding. The most important thing is that when it came to the end of the project Pinnacle stepped up to and produce the needed changes in a timely manner.”

Jayson Kaze | Utara & Sons

“It has been a pleasure working with Pinnacle. We dealt with a very complicated, poorly designed project and Pinnacle's modeling service was able to help point out several discrepancies during the modeling process. The scope of work was updated, revised, and changed so many times and Pinnacle was happy to continue working with us.”

Lauren Smith | S. M. Wilson & Co.

“Chandan and his team have been excellent to deal with and have responded to requests very quickly. I am extremely happy with Pinnacle’s performance and would use your company again if the need arises.”

Chris Robbins | ASI Constructors

“Working with Sujit was very easy. We never once worried that deadlines wouldn't be met, or that the quality was lacking in anyway. His communication with us instilled confidence.”

Daniel Fahmi | Baker Concrete Construction, Inc.

“Quality of work is great. Email communication has been straightforward and thorough. Overall, a great experience to be working with Pinnacle team.”

Anna Huynh | Clark Pacific

“Drawing review comments were regularly incorporated into revised drawings properly. The timely incorporation of updates was good. When the AutoCAD glitch occurred and line weights and dimensions were pixelated, your team worked to find a solution. Weekly design meetings worked very well to ensure comments were fully understood.”

Crosby Lovell | Pacific Structures Inc
## Project Snap Shots

<table>
<thead>
<tr>
<th>SECTOR</th>
<th>LOCATION</th>
<th>CLIENT</th>
<th>PROJECT NAME</th>
<th>DETAILS</th>
<th>TIME LINE</th>
<th>PROJECT AREA</th>
<th>MANPOWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>Oklahoma, USA</td>
<td>Lithko Contracting, Inc.</td>
<td>River Spirit Casino</td>
<td>Reviewing and updating of Structural 3D Model and preparation of Concrete Shop Drawing for entire building.</td>
<td>May 2015</td>
<td>417,408 sq ft</td>
<td>3 Engineers</td>
</tr>
<tr>
<td>Residential - Multy family</td>
<td>California, USA</td>
<td>Urata &amp; Sons Cement, Inc.</td>
<td>360 Berry</td>
<td>Concrete Foundation Level (Level 2) 3D Model for: footing and foundation, columns and beams, and shear/retaining walls were provided. 2D Drawings and Inset Drawing (Wall): detailed 2D drawings will be prepared showing the annotations, dimensions and tagging. For shop drawing the top, bottom, and vertical details of the slab will be shown. The trades covered include structural and concrete.</td>
<td>April 2015</td>
<td>160,936 sq ft</td>
<td>2 Engineers</td>
</tr>
<tr>
<td>Commercial</td>
<td>Sacramento, USA</td>
<td>Webcor Concrete</td>
<td>Guam Naval Hospital Replacement</td>
<td>Concrete Model and Shop Drawing creation</td>
<td>June 2015</td>
<td>317,408 sq ft</td>
<td>6 Engineers</td>
</tr>
<tr>
<td>Educational</td>
<td>Minnesota, USA</td>
<td>Ceco Concrete Construction</td>
<td>DePaul University School of Music</td>
<td>Concrete Model and Shop Drawing creation</td>
<td>December 2015</td>
<td>412,800 sq ft</td>
<td>5 Engineers</td>
</tr>
<tr>
<td>Hotel</td>
<td>Texas, USA</td>
<td>Southern Pan Services Company</td>
<td>5th &amp; West</td>
<td>Concrete 3D model &amp; Shop drawings of Framing Plans only</td>
<td>October 2015</td>
<td>522,268 sq ft</td>
<td>4 Engineers</td>
</tr>
<tr>
<td>Hospital</td>
<td>Guam, USA</td>
<td>Webcor Concrete</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casino</td>
<td>Oklahoma, USA</td>
<td>Lithko Contracting, Inc.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residential</td>
<td>Oak Park, USA</td>
<td>Concrete Contractor</td>
<td>Oak Park Station</td>
<td>Our scope of work is reviewing the 3D BIM model and preparing the Shop Drawings of Wall, Column &amp; Slab Plans. Stud Rail Shop Drawings have also been extracted from the model in this project.</td>
<td>August 2016</td>
<td>373,724 sq ft</td>
<td>4 Structural Engineer</td>
</tr>
<tr>
<td>Mixed Use</td>
<td>Los Angeles, USA</td>
<td>Concrete Contractor</td>
<td>Serrano and 8th Street</td>
<td>Our scope of work for the project included 3D BIM Model creation for Architectural &amp; Basic Concrete Structures at LOD 350 for designing construction document set.</td>
<td>February 2017</td>
<td>379,520 sq ft</td>
<td>8 Engineers</td>
</tr>
<tr>
<td>Commercial</td>
<td>Sacramento, USA</td>
<td>Concrete Contractor</td>
<td>700 K Street Building</td>
<td>Our Scope of work included preparation of 3D Concrete Model and Shop Drawings. We implemented BIM technology to create concrete 3D model and extract shop drawings. We have found a few design and conflicts issues and so raised RFIs to finalize the clash free 3D models and prepare concrete shop drawings from the same.</td>
<td>May 2016</td>
<td>38,400 sq ft</td>
<td>4 Engineers</td>
</tr>
<tr>
<td>Residential</td>
<td>Palo Alto, California, USA</td>
<td>Owner</td>
<td>Stanford University</td>
<td>Our scope of work for the project included Preparation of Shop Drawing / 2D Drawings for Construction - Tekla Detailing, Concrete Lift Drawings - Elevation Drawings for Vertical Elements, Detail Drawings and 3D BIM Model Creation for Foundation, Horizontal &amp; Vertical Structural Components and Pre-Cast Elements.</td>
<td>October 2018</td>
<td>1,994,455 sq ft</td>
<td>10 Engineers</td>
</tr>
</tbody>
</table>
## Project Snap Shots

<table>
<thead>
<tr>
<th>SECTOR LOCATION</th>
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<th>PROJECT NAME DETAILS</th>
<th>TIME LINE</th>
<th>PROJECT AREA MANPOWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintenance Hangar</td>
<td>Watts Constructors, LLC</td>
<td><strong>P-625 BAMS Forward Operational &amp; Maintenance Hangar</strong>&lt;br&gt;Pinnacle is working with the concrete contractor and our scope is to produce cast-in-place shop drawings for the client.</td>
<td>April 2015</td>
<td>117,541 sq ft&lt;br&gt;4 Structural Engineers</td>
</tr>
<tr>
<td>Residential</td>
<td>Pacific Structures</td>
<td><strong>Pine &amp; Franklin</strong>&lt;br&gt;Pinnacle's scope of work for this includes reviewing structural 3D model and preparing concrete shop drawings for the entire building.</td>
<td>February 2015</td>
<td>496,692 sq ft&lt;br&gt;3 Engineers</td>
</tr>
<tr>
<td>Hydroelectric Facility</td>
<td>Concrete Contractor</td>
<td><strong>Red Rock Hydroelectric Power Plant</strong>&lt;br&gt;Pinnacle provided complete 3D BIM model of cast-in-place and precast concrete. MEP cut-outs and steel embedment were also included in the scope. Bill of Materials for form work, cast-in-place, and precast concrete were also generated from the model.</td>
<td>October 2013</td>
<td>36.4 MW&lt;br&gt;10 Structural Engineers</td>
</tr>
<tr>
<td>Mixed Use Residential Township</td>
<td>Cons pel and Obayashi Corporation and HBK Construction</td>
<td><strong>Msheireb Downtown Doha</strong>&lt;br&gt;Ambit of this project included architectural and structural 3D modeling, MEP-FP (mechanical, electrical, plumbing, and fire protection) 3D modeling, providing coordination services, final shop drawings and generation of constructability report, bill of materials, creation of 3D Mock up along with phasing and 4D Scheduling.</td>
<td>July 2013</td>
<td>374,541 sq m&lt;br&gt;45 MEP Engineers, 16 Architectural and Structural Engineers</td>
</tr>
<tr>
<td>Office Building</td>
<td>Concrete Contractor</td>
<td><strong>Broward County Courthouse</strong>&lt;br&gt;Pinnacle’s scope of this project included developing the entire exterior Rebar model for beams, columns, slabs, and joists for other trade coordination. The other trade coordination was performed with the exterior embeds of precast panels which is controlled by the general contractor. Pinnacle provided level wise exterior rebar model to Baker concrete and they submitted the model to GC for the coordination. After the trade coordination GC fixed the clashes and finalized some new changes in the drawings.</td>
<td>May 2013</td>
<td>741,633 sq ft&lt;br&gt;4 Structural Engineers</td>
</tr>
<tr>
<td>Shopping Mall</td>
<td>General Contractor</td>
<td><strong>North Gate Mall</strong>&lt;br&gt;A clash-free 3D BIM model (architectural and structural) for the entire mall area along with the office building was provided by Pinnacle. A walkthrough presentation was also created and delivered.</td>
<td>November 2011</td>
<td>417,500 sq m&lt;br&gt;32 Architectural/ Structural/Civil Engineers</td>
</tr>
<tr>
<td>Office Garage Retail</td>
<td>General Contractor</td>
<td><strong>Queen City Square Tower</strong>&lt;br&gt;Pinnacle’s scope included 3D model of the architectural and structural elements. After clash detection and resolution with all the trades, a completely coordinated 3D model was generated to ensure clash-free construction on-site. Shop drawings for Concrete Contractor were produced.</td>
<td>August 2010</td>
<td>1,349,999 sq ft&lt;br&gt;15 Structural Engineers</td>
</tr>
<tr>
<td>Hydro Electric Facility</td>
<td>Concrete Contractor</td>
<td><strong>Meldahl Hydroelectric Power Plant</strong>&lt;br&gt;Pinnacle provided complete 3D BIM model of cast-in-place, precast concrete. MEP cut-outs and steel embedments were also included in the scope. Bill of Materials for form work, cast-in-place, and precast concrete was generated from the model. 1365 Lift Drawings as per pour sequence was delivered as per time line.</td>
<td>June 2010</td>
<td>111 MW&lt;br&gt;15 Structural Engineers</td>
</tr>
</tbody>
</table>
India Office Locations

Durgapur Office
Pinnacle Infotech Solutions
S.S.B. Sarani, Bidhannagar, Durgapur
West Bengal, India - 713212
Phone: +91 343 6602222 / 6602231-35
Fax: +91 343 6602230
Email: bim@pinnaclecad.com

Kolkata Office
Pinnacle Infotech Solutions
Plot - II/F/11, Block - 4B,
4th Floor, Room No. 402,
Ecospace Business Park, New Town,
Rajarhat, Kolkata - 700156
Email: bim@pinnaclecad.com

Jaipur Office
Pinnacle Infotech Solutions
Plot No - IT-A-016-E,
Mahindra World City, (Jaipur) LTD,
PO - Mahindra World City,
Tehsil - Sanganer, Jaipur - 302037
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Email: bim@pinnaclecad.com

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Fax: 713 780 8784
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Biswa Nath Todi
Operations Manager
Cell: 832 283 6628

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