

Consultancy Services



- ✓ Program / Project Management & Controls
- ✓ Engineering, Procurement & Construction Management
 - ✓ Cost Engineering & Management
 - ✓ Planning, Scheduling & Monitoring
 - ✓ Risk Management
 - ✓ Change Management
- ✓ Claims & Arbitration Support Services

Visit us @ www.probtg.com



Protecon BTG

Let's Bridge The Gap Together



Protecon's Business Verticals



Consultancy Services

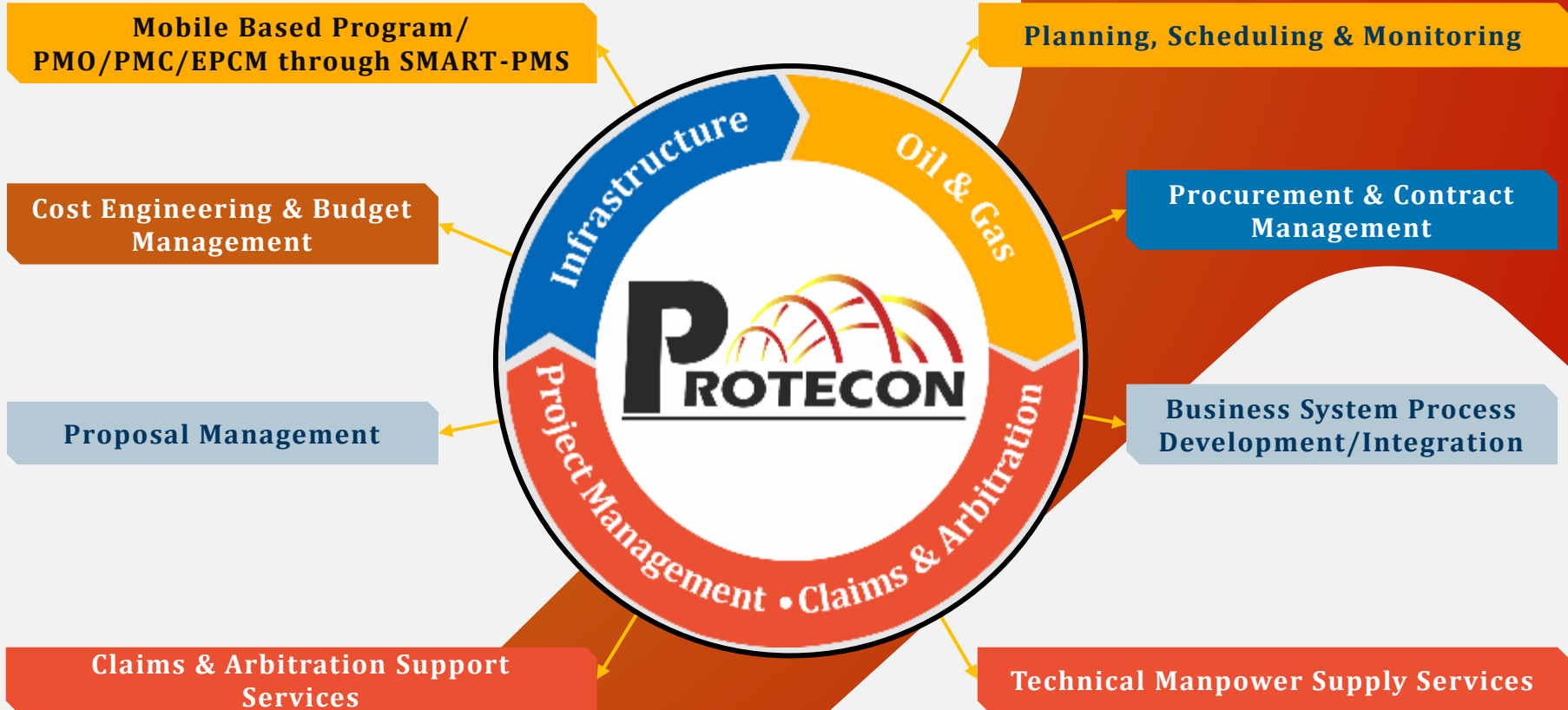


**BTG Program
(Training)**



**Trained 227 young Engineers
in the field of
Project Management & Controls**

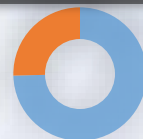
Protecon Consultancy Services



Delay Analysis & Cost Claims Services

To cater the need of effective Project Controls and resolving Disputes related to Cost / time impacts:

- ❖ Cost Impact Analysis for Changes / Extra Work / Idling
- ❖ Time Impact Analysis for Execution Delays
- ❖ Claims Documentation
- ❖ Support during Review & Settlement of Disputes
- ❖ Support during Dispute Adjudication Board (DAB) proceedings
- ❖ Expert Witness Support during Arbitration Support Advisory



Journey so far.. (Assignments Completed)

Delay Analysis & Claims Management Services

Delay Analysis for South Jetty Pipeline Project of IOCL

M/s FERNAS Construction, India

Delay Analysis & Cost claim preparation for HDD crossing on River Yamuna

M/s Trenchless Engineering Services Pvt. Ltd

Delay Analysis & Cost Claim Assessment for Fuel Gas Supply System package

M/s Multitex Filtration Engineers Ltd

Arbitration support services (Delay analysis, Cash Flow Analysis, Cost Claim Validation & Technical Support) for Compressor Station by GSPL

M/s FERNAS Construction Company Inc, Turkey

Arbitration support services (Delay analysis, Cash Flow Analysis, Cost Claim Validation & Technical Support) for OSBL Pipelines by EIL

M/s FERNAS Construction Company Inc, Turkey

Arbitration Support Services for defending OPAL's claim against Fernas Construction Company Inc. for Offsite & Utilities Project of ONGC Petro Addition Limited

M/s Fernas Construction Company Inc., Turkey

Expert Opinion on DAB Decision for Dispute - 04 for CTP-14 Package by Sojitz-L&T Consortium.

M/s Dedicated Freight Corridor Corporation of India Limited, India



Journey so far.. (Assignments Ongoing)

Delay Analysis & Claims Management Services

Delay Analysis & Cost Claims Analysis including Techno-Legal support as Expert witnesses during Arbitration proceedings for HDD work worth Rs 4.7 Cr owned by GAIL which involves approximately 3 years delays and Rs 7.3 Cr Cost Claim.

M/s Bhabhira Enterprises, India

Delay Analysis & Cost Claims Analysis including Techno-Legal support as Expert witnesses during DAB / Arbitration proceedings for Package No. CP-301 encompassing 170 Km of Single Track Freight Corridor worth Rs 1,370 Cr under execution by GMR+TPL JV which involves approximately 4 years delays and Rs 1,350 Cr Cost Claim.

M/s Dedicated Freight Corridor Corporation of India Limited, India

Delay Analysis & Cost Claims Analysis including Techno-Legal support as Expert witnesses during DAB / Arbitration proceedings for Package No. CTP-14 encompassing 130 Km of Double Track Freight Corridor worth Rs 3,379 Cr under execution by Sojith & L&T JV which involves approximately 3 years delays and Rs 1,500 Cr Cost Claim.

M/s Dedicated Freight Corridor Corporation of India Limited, India



Journey so far.. (Ongoing Assignments)

Protecon's Scope - Review/Analysis of Contractor's EOT Claim & EOT Determination of Engineer on behalf of NHSRCL

SN	Employer	Package	Name of Contractor	Brief Scope of Contracted Work	EOT Claim Details	Method of Analysis as per SCL Protocols	Remark
1	NHSRCL	C4	L&T	Design and Construction of Civil and Building Works for Double Line High Speed Railway involving 237 Km of Viaducts, Bridges, Maintenance Depots, Tunnel and 4 Stations (Vapi, Bilimora, Surat and Bharuch)	EOT1 : Interim Claim for Extension of Time for Completion with cut-off date 30-Nov-21 Total of 21 Delay Events (impacting all milestones) cited by Contractor as reasons for claiming EOT.	Time Impact Analysis	Upon review, the claim was found to be lacking in various aspects like non submission of P6 back up file, mismatch of information, inclusion of non-tenable delay events for EOT claim etc., and delay events were not connected to individual milestones.
2	NHSRCL	C4	L&T		EOT2 : Interim Claim for Extension of Time for Completion with cut-off date 30-Apr-22 Total of 35 Delay Events (impacting all milestones) cited by Contractor as reasons for claiming EOT.	Time Impact Analysis	Same problems as above. However, milestone wise Time Impact Analysis is carried out for about Ten Milestones, and recommendation shared with Employer.
3	NHSRCL	C4	L&T		EOT3 : Interim Claim for Extension of Time for Completion with cut-off date 31-Aug-22 Total of 67 Delay Events (impacting all milestones) cited by Contractor as reasons for claiming EOT.	Time Impact Analysis	Analysis is ongoing
4	NHSRCL	C6	L&T	Design and Construction of Civil and Building Works for Double Line High Speed Railway involving 87 Km of Viaduct & Bridges, Crossing Bridges, Maintenance Depot and 2 Nos. Stations (Anand/Nadiad)	EOT1 : Interim Claim for Extension of Time for Completion Total of 04 Delay Events (impacting all milestones) cited by Contractor as reasons for claiming EOT.	Time Impact Analysis	Upon review, the claim was found to be lacking in various aspects like non submission of P6 back up file, mismatch of information, inclusion of non-tenable delay events for EOT claim, contradictory claims etc.
5	NHSRCL	C6	L&T		EOT2 : Interim Claim for Extension of Time for Completion Total of 15 Delay Events (impacting all milestones) cited by Contractor as reasons for claiming EOT.	Time Impact Analysis	
6	NHSRCL	C6	L&T		EOT3 : Interim Claim for Extension of Time for Completion Total of 20 Delay Events (impacting all milestones) cited by Contractor as reasons for claiming EOT.	Time Impact Analysis	
7	NHSRCL	P4(X)	L&T	Procurement, Fabrication, Check-Assembly, Painting at workshop(s) and Transportation to various Bridge Sites of Steel Truss Superstructures along with bearings for Bridges for High Speed Rail Corridor	Contractor's claim for interim Extension of Time Claim (EOT-1)	Time Impact Analysis	Upon review the claim was found to be based on inappropriate design changes, without accounting for prevailing work scenario, along with inclusion of non-tenable delay events.
8	NHSRCL	P4(Y)	L&T		Contractor's claim for interim Extension of Time Claim (EOT-1)	Time Impact Analysis	
9	NHSRCL	P1B	MG Contractor	Construction of Bridges for Double Line High Speed Railway for PSC Bridges and Steel Truss Bridges [excluding fabrication and transportation of steel truss girders]	Extension of MS-01	Time Impact Analysis	Upon review the claim was found to be a global claim submission, which does not include any analysis on approved programme substantiating the EOT claim.
10	NHSRCL	C7	IRCON+ DRAIPL	Design and Construction of Civil and Building Works including Testing and Commissioning on Design Build Lump Sum Price Basis for Double Line High Speed Railway involving Ahmedabad Station, Sabarmati Station, Viaduct & Bridges, Crossing Bridges and Associated Works	Application for Interim Extension of Time (EOT-1)	Time Impact Analysis	Upon review the claim was found to be lacking with regard to non submission of P6 file, not accounting for actual progress while analysing the impact if delays, deliberate changes in the logic of programme, insufficient substantiation for EOT claims etc.
11	NHSRCL	C7	IRCON+ DRAIPL		Application for 02nd Interim Extension of Time (EOT-2) for delay events encountered till 25.11.2022	Time Impact Analysis	Analysis in Progress.

Journey so far.. (Ongoing Assignments)

Protecon's Scope - Preparation of EOT Claims for Contractor

SN	Employer	Package	Contractor	Brief Scope of Contracted Work	EOT Claim Details	Method of Analysis as per SCL Protocols	Remark
1	NHAI	DND-KMP Expressway	DRAIPL	Construction of Six Lane Highways ~59KM Including 8 Junctions, 1 ROB /RUB, 7 Minor Bridges, 3 Box Culverts in the National Capitol Territory - Delhi and Haryana Under Bharatmala Pariyojna.	EOT-01 : Extension of Time for Completion of Technical Design and associated Construction Milestones	Impacted As Planned (IAP)	Under review by PMC
2	NHAI	DND-KMP Expressway	DRAIPL		EOT-02 : Extension of Time for Completion of Technical Design and associated Construction Milestones	Impacted As Planned (IAP) over a monthly Window Slices	Under review by PMC





Claims Management Process

NDA

- **Signing a Non Disclosure / Confidentiality Agreement**

Proposal

- **Inputs Required from Client for Proposal preparation:**
 - List of Issues / Claims in Chronological Order
 - Brief Scope of Work for the Project
 - Awarded Project Duration / Cost
 - Actual or Anticipated Project Duration / Cost

Award

- **Award of Services by the Client**



Claims Management Process

Time Impact Analysis

- **Inputs Required from Clients for Time Claims:**
 - LOA, Contract Document & Contract Amendment Forms
 - Baseline Schedule and Updated Schedule
 - Document Controls Register
 - EOT Letters to Client & their corresponding responses
 - Documentary Evidences for Actual Finish Dates
- **Output by Protecon BTG:**
 - Schedule Delay Analysis Report with Substantiation

Cost Impact Analysis

- **Inputs Required from Clients for Cost Claims:**
 - LOA, Contract Document & Contract Amendment Forms
 - Details of submitted Claims or Change Orders, if any
 - Planned Vs Actual Resource Deployment Charts
 - Actual Financial Data (Expenditure Details incl. overheads)
 - Claims Letters to Client & their corresponding responses
 - Documentary Evidences for Actual Cost Incurred
- **Output by Protecon BTG:**
 - Cost Claim Report with Substantiation



Claims Management Process

Technical Analysis

- **Inputs Required from Client for Technical Analysis:**
 - Drawings, Documents & Specifications – Tender Stage
 - Drawings, Documents & Specifications – Actual
 - All revisions with Client's responses
 - Documentary Evidences (Employer's responses)

- **Output by Protecon BTG:**
 - Technical Analysis Report supporting Cost / Time Impact

Cash Flow Analysis

- **Inputs Required from Client for Cost Claims:**
 - Invoicing Details
 - Payment Details
 - Monthly Expenditure Details
 - Earned value Management System
 - Documentary Evidences for Actual Cost Incurred

- **Output by Protecon BTG:**
 - Cash Flow Analysis Report with Substantiation



Our Services Fee Basis

Stage-1 on Lumpsum Basis

- **Delay Analysis Report using appropriate method as per SCL protocols**
- **Cost Claim Report**
- **Technical Analysis Report**
- **Cash Flow Analysis Report**

Stage-2 on Reimbursable Basis

- **Meetings with Clients/Owner/PMC / Legal Team @ agreed Man-day rate**
- **Arbitration support @ agreed Man-day rate**
- **Any manpower support at Client's office @ agreed monthly rate**
- **All Local / outstation travelling, boarding & Lodging as per actuals + 15%**



Service Execution Model

**Client's
Office**

- **Protecon's Coordinator**
- **Skilled Project Controls Engineers**
- **Claims Analysis Presentation**

**Protecon's
Office in
Noida**

- **All Analysis & Report finalization**
- **Client's team interaction thru video conferencing**

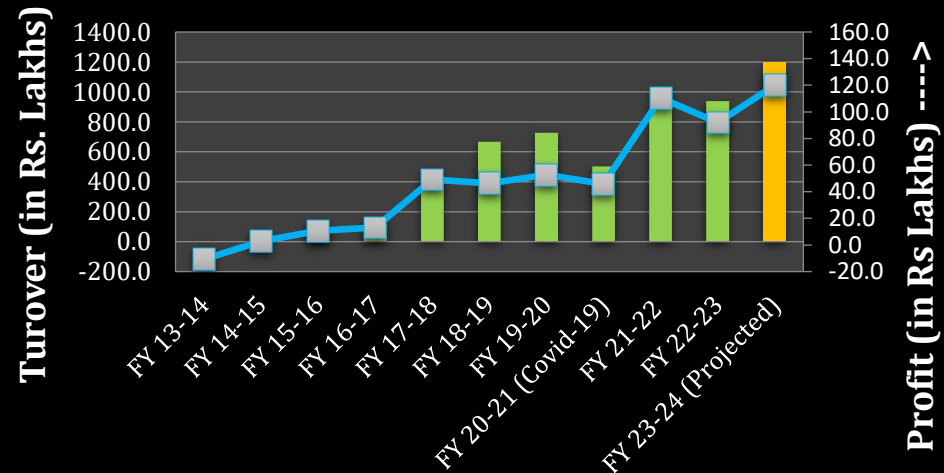
Journey so far..

ATKINS

Member of the SNC-Lavalin Group



Protecon BTG's Turnover / Profit





Our Contact Details:

B-27, Images Tower,
Sector-132
Noida, 201301
UP, India

Mobile : +91 852 730 7575

Tel : +91 120 351 2011

Email : info@ProBTG.com

Web : www.probtg.com

With

Expertise you can trust in

PROJECT MANAGEMENT



SUCCESS



Thank You