i2R Consulting Private Limited
Transforming ideas into Reality

Tel : +91 40 2335 4277
Email : contact@groupi2r.com

Group i2R PROFILE

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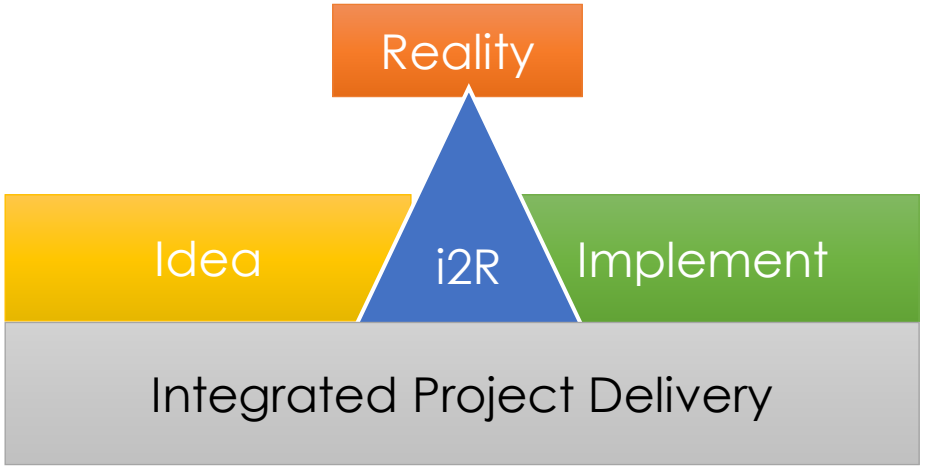
GROUP i2R'S OFFER
SUPPORT TO PROJECT DELIVERY



- Founded by personnel with more than 30 years' experience in infrastructure projects worldwide.
- Integrating Technical, Commercial and Financial aspects to maximize the Value.
- Cross –fertilization of expertise through global partners.

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GROUP i2R
PROJECT DELIVERY

Our approach is built on a solid foundation to deliver quality, on-time and on budget.

For Three Stages:

- Concept Development/ Pre-Tendering
- Implementation/ Execution
- Post Completion/ Operation and Management

We Ensure you attain Set Goals through Any or All Three Stages

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GROUP i2R
MULTI-DICIPLINARY TEAM

Mr.Krishna
MD & CEO

Mr.Ramlal – i2R BU Head

Mr.Srinivasa Sarma – i2R Rail BU Head

Mr.Pattabhi – Design BU Head

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GROUP i2R'S OFFER
MAIN LINES OF BUSINESS

Focus on a few business lines

- Design management
- Risk management
- Project management
- Claim management

Type of projects

- Transport Infra
- BOT, HAM (Hybrid Annuity Model), EPC…

Focus on Mainly Private Clients

- EPC Contractors
- Concessionaires
- Financial Institutions

Amongst very few Consulting Companies offering such End-to-End Solution to the Private Clients

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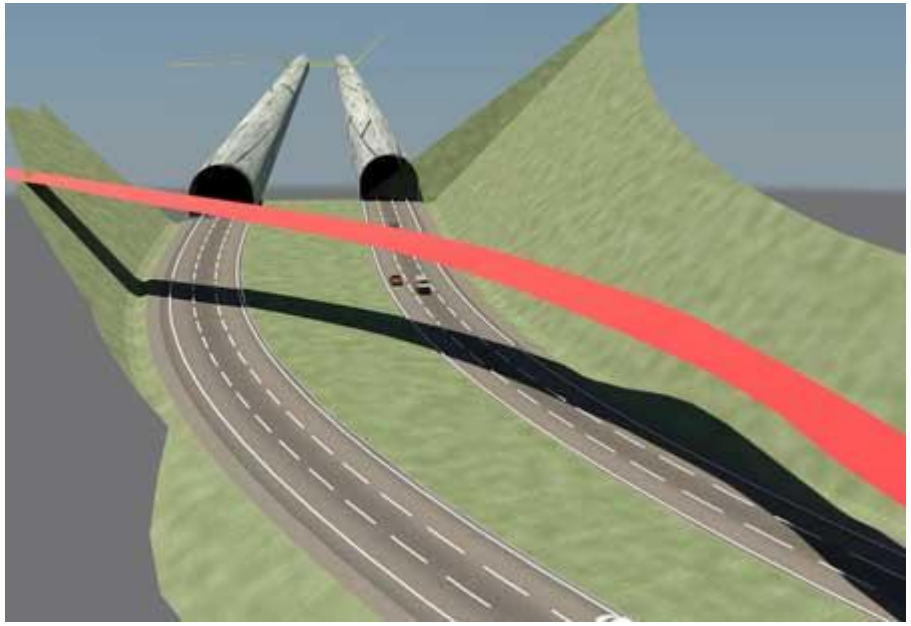
GROUP i2R
DESIGN MANAGEMENT



- Concept Development
- Feasibility Studies
- Preliminary and Detailed Engineering
- Clash Analysis using Building Information Modeling (BIM)

Our services encompass the entire production cycle from concept development to project completion using BIM with sustainable practices at scale.

We manage Design Services through Druta Designs *(a subsidiary of i2R)*

Maximizing the value through innovative solutions

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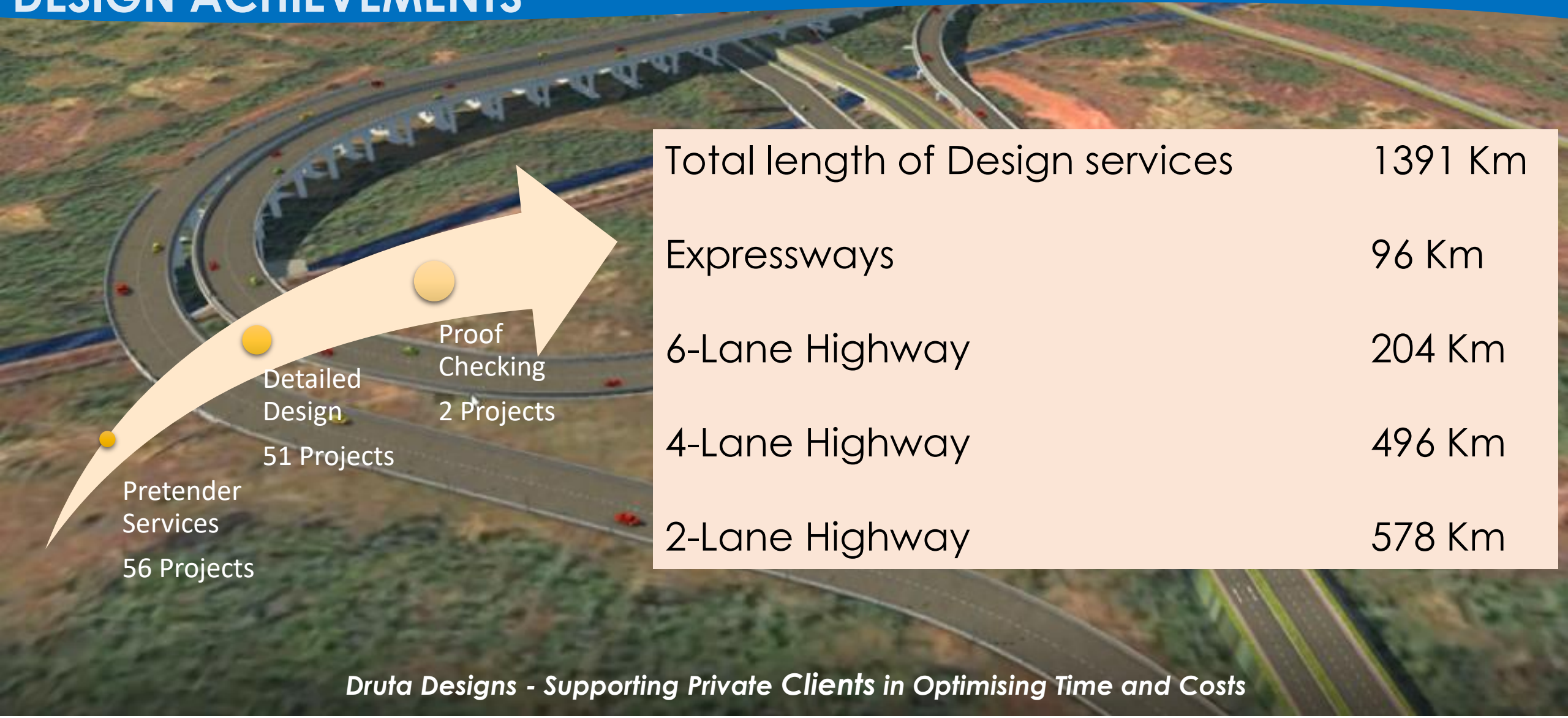
GROUP i2R
DESIGN ACHIEVEMENTS



Total length of Design services	1391 Km
Expressways	96 Km
6-Lane Highway	204 Km
4-Lane Highway	496 Km
2-Lane Highway	578 Km

Druta Designs - Supporting Private Clients in Optimising Time and Costs

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GROUP i2R
PROJECT RISK MANAGEMENT

- Identification
- Qualitative and Quantitative Analysis
- Response Planning
- Monitoring and Control

Optimising consequences of the positive and negative events

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GROUP i2R
CONTRACT MANAGEMENT

- ✓ Goals and Objectives
- ✓ Work Breakdown Structure
- ✓ Setting Metrics/ Dashboard
- ✓ Measure and Monitor
- ✓ Correspondence with Stakeholders
- ✓ Troubleshooting

Minimizing the Complexity of the Contract to drive results

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GROUP i2R
CLAIMS MANAGEMENT

- ✓ Identification of Contract Entitlements
- ✓ Forensic Analysis
- ✓ Establishing Cause-Effect Link
- ✓ Quantification of Entitlements and
- ✓ Managing the Dispute Resolution

Improving the Project Economics through Claims Management

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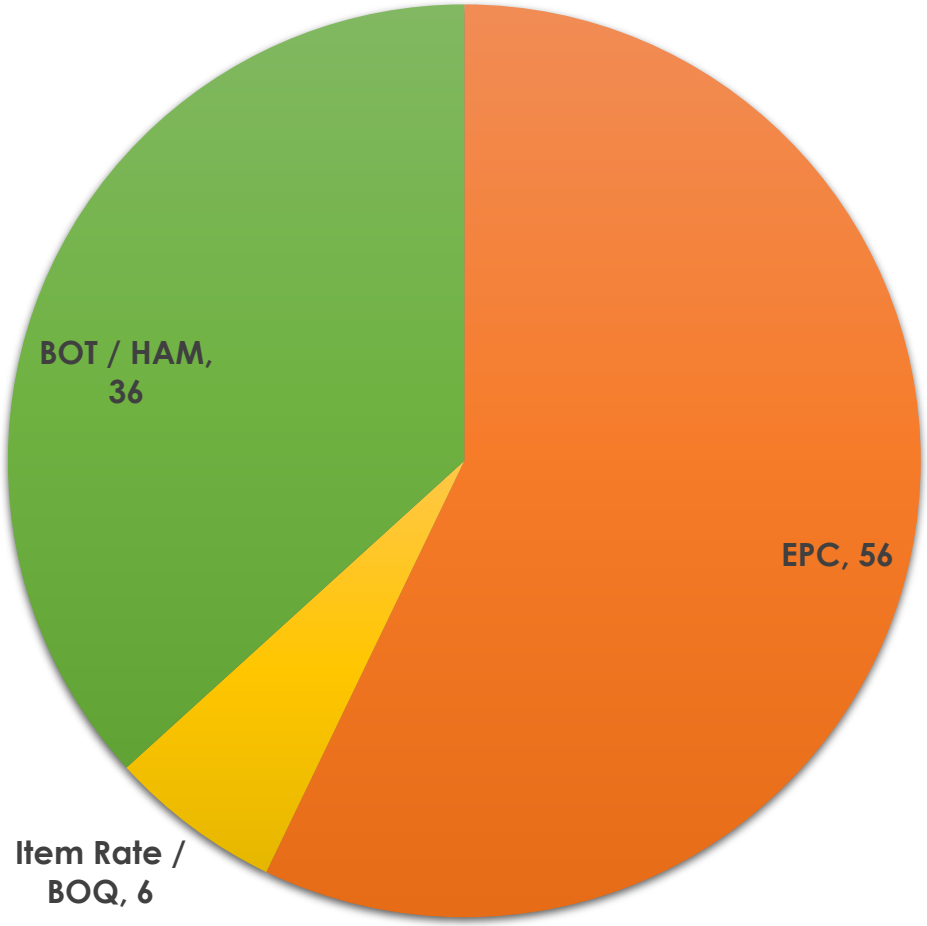
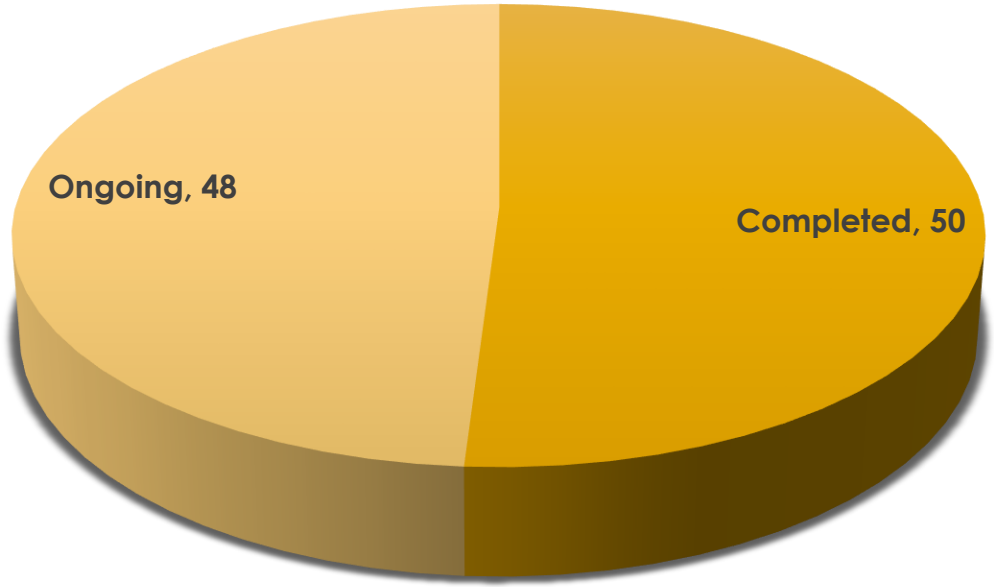
GROUP i2R PROJECTS

NUMBER OF PROJECTS



ONGOING/COMPLETED



Expertise across all three types of Projects

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GROUP i2R SERVICES
CONTRACT MANAGEMENT

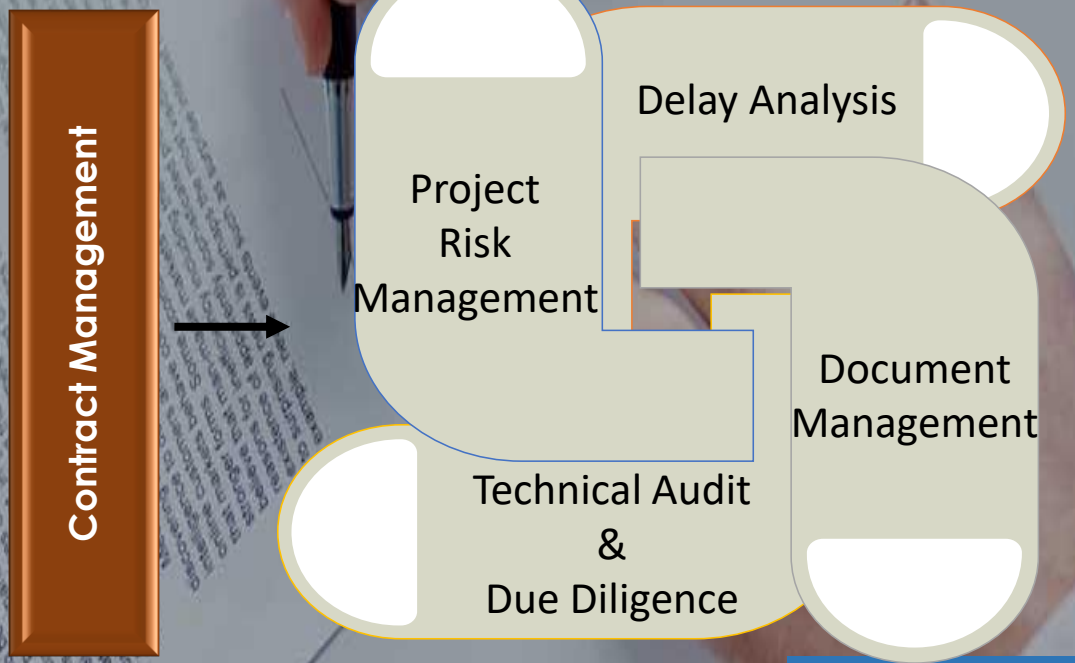
i2R's team has right people for the scope, and our specialized professionals are dedicated to resolve the contract related issues pertaining to the given Agreement be it EPC, BOT, HAM etc.
At i2R the team is constantly updated with the various happenings in the industry, case studies, ministry circulars etc.

We have several and successful Arbitration Awards in our portfolio.
We are committed to provide high quality & cost-effective services with reasonable timelines to our Clients.

We take pride in the fact that most of our Clients end up being "Repeat Clients – a testimony for the trust developed on us forl their Contract & Claims Management issues.

Contract Management

- ✓ Day-to-day contract administration with Engineer and the Authority.
- ✓ Constant monitoring of projects
- ✓ Identify probable bottlenecks & suggest solutions
- ✓ Resolve contractual issues
- ✓ Draft correspondences with stakeholders
- ✓ Analyze issues & recommend suitable responses
- ✓ Review the correspondence & prepare appropriate cases
- ✓ Assist in streamlining the Contract Administration
- ✓ Liaise with legal consultants and the Authorities.
- ✓ Monthly Progress Reports.



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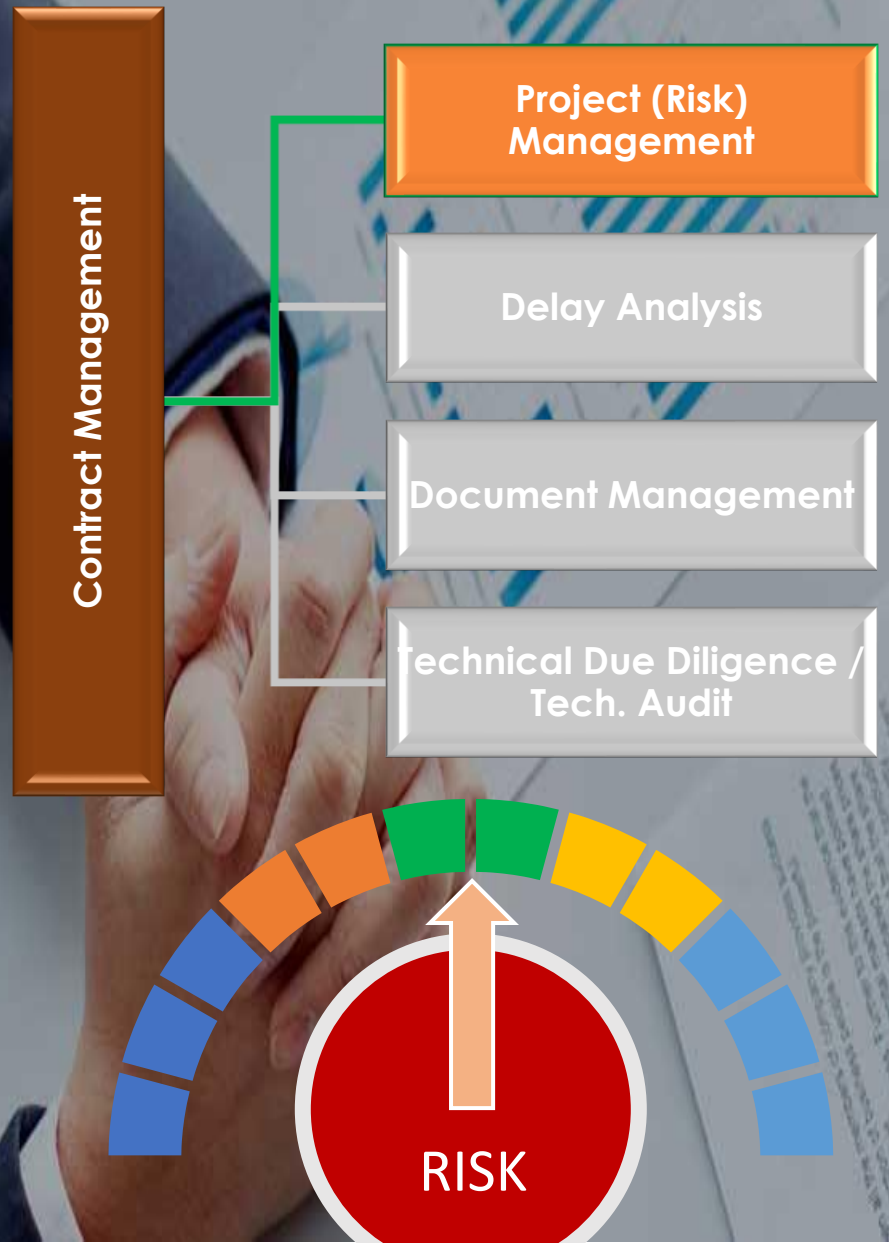
GROUP i2R SERVICES
Project Risk MANAGEMENT



Project Risk Management

- ✓ Construction Methodology
- ✓ Baseline Program (BSLP)
- ✓ Check the submitted BSLP using the standard assessment
- ✓ Identification & quantification of project bottlenecks
- ✓ Impacted program
- ✓ Extension of time program
- ✓ Time & Cost - Delay Analysis (excludes forensic delay analysis).
- ✓ Tracking of the Baseline program. Electronic Documentation Management (E-DMS)
- ✓ Monthly Progress Reports.
- ✓ Program of works (PoW)
- ✓ Strip Plans
- ✓ MIS Reporting
- ✓ Risk evaluation
- ✓ Stating effective measures of Risk control
- ✓ Monitoring of risk factors

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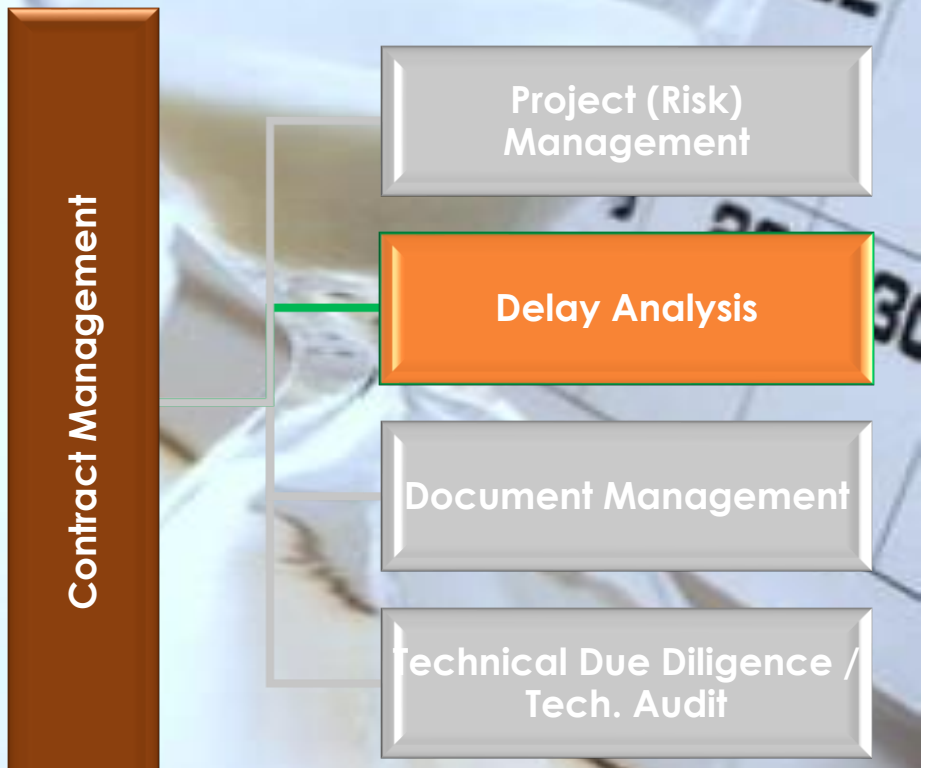
GROUP i2R SERVICES
DELAY ANALYSIS



Delay Analysis

Projects often suffer from delays due to a wide variety of reasons, which has severe financial impact.
The analysis of the delay impact, the causes, and effects of the delaying activities is one of the most complicated types of claims analysis.
It requires an expert like i2R which has extensive knowledge of construction projects, means and methods, scheduling, and the ability to develop a sound methodology to conduct the analysis.

At i2R, we follow the following internationally acclaimed and accepted methods based on the available data from the Client.

✓Impacted-As-Planned (IAP) Analysis
✓Time Impact Analysis (TIA)
✓As Planned Vs As Built Analysis (APAB)

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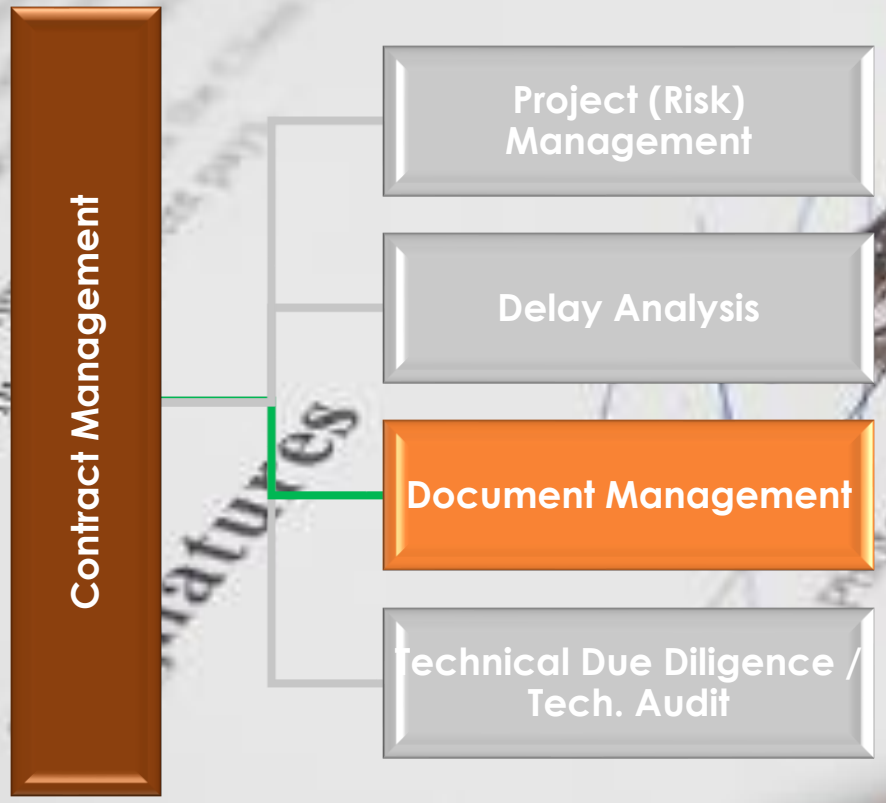
GROUP i2R SERVICES
DOCUMENT MANAGEMENT



Document Management

Contracting companies face issues on documents tracing such as where is the document? Why can't it be traced? What is taking so long to trace? How did the document got lost? Was the letter replied? Snapshot of the contractual details of a project, and so on…

We @i2R thought that there should be an application which should bridge this gap of communication among various stakeholders and therefore, came the idea of E-DMS development and implementation. E-DMS is designed to eliminate the chaos of documentation, tracking.

- ✓ E-DMS falls under the following Categories:
- ✓ Change Management (Version Control)
- ✓ Document Management
- ✓ File Sharing
- ✓ Issue Tracking
- ✓ Reporting

Product Features

Document Access
Simple, quick access
No Chaotic file structure.

Document Retrieval
Powerful Search content & Metadata

Document Security
Have peace of mind with AWS

Device Independent
Use the device you want to have

Version Control
Tracking & Collaboration of documents

Document Workflow
Automated processing of data

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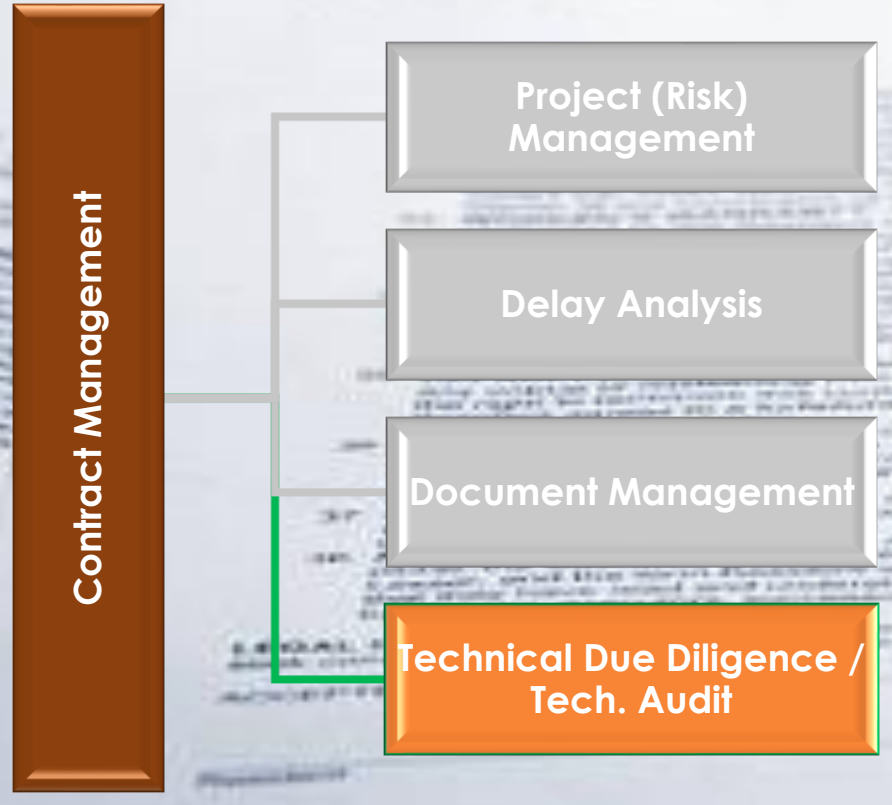
GROUP i2R SERVICES
TECHNICAL DUE DILIGENCE



Technical Due Diligence / Audits

i2R under its experts evaluates the preparedness of contractor in tackling the risk associated with time and cost overruns. This includes the following:

- ✓Review of methodology for measuring the work
- ✓Billing process
- ✓Review of critical correspondences
- ✓Submittal process
- ✓Claim quantifications.
- ✓Various reconciliations
- ✓Change of Scope
- ✓Quality
- ✓Compliances based on various manuals & standards

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GROUP i2R SERVICES
CLAIMS MANAGEMENT

i2R team for Claims Management provides their expert services in risk mitigation and dispute resolution to provide a comprehensive set of specialist services
The project scope of a construction project and the unique complex environment for each of the project, and other uncertainties often causes amplified costs & delays that lead to construction claims.

In such cases, the Claim Management Process kicks in. The process involves timely identification → analysis → quantification → report preparation → submission for settlement.

Few reasons to trigger Claims
✓Changes in scope of work
✓Delay in handing over
✓Unforeseen site conditions
✓Price escalation
✓Statutory Approvals etc.

Claim Management

Approach

Forensic & Disruption Delay Analysis

Prospective (Advance)

Retrospective (After)

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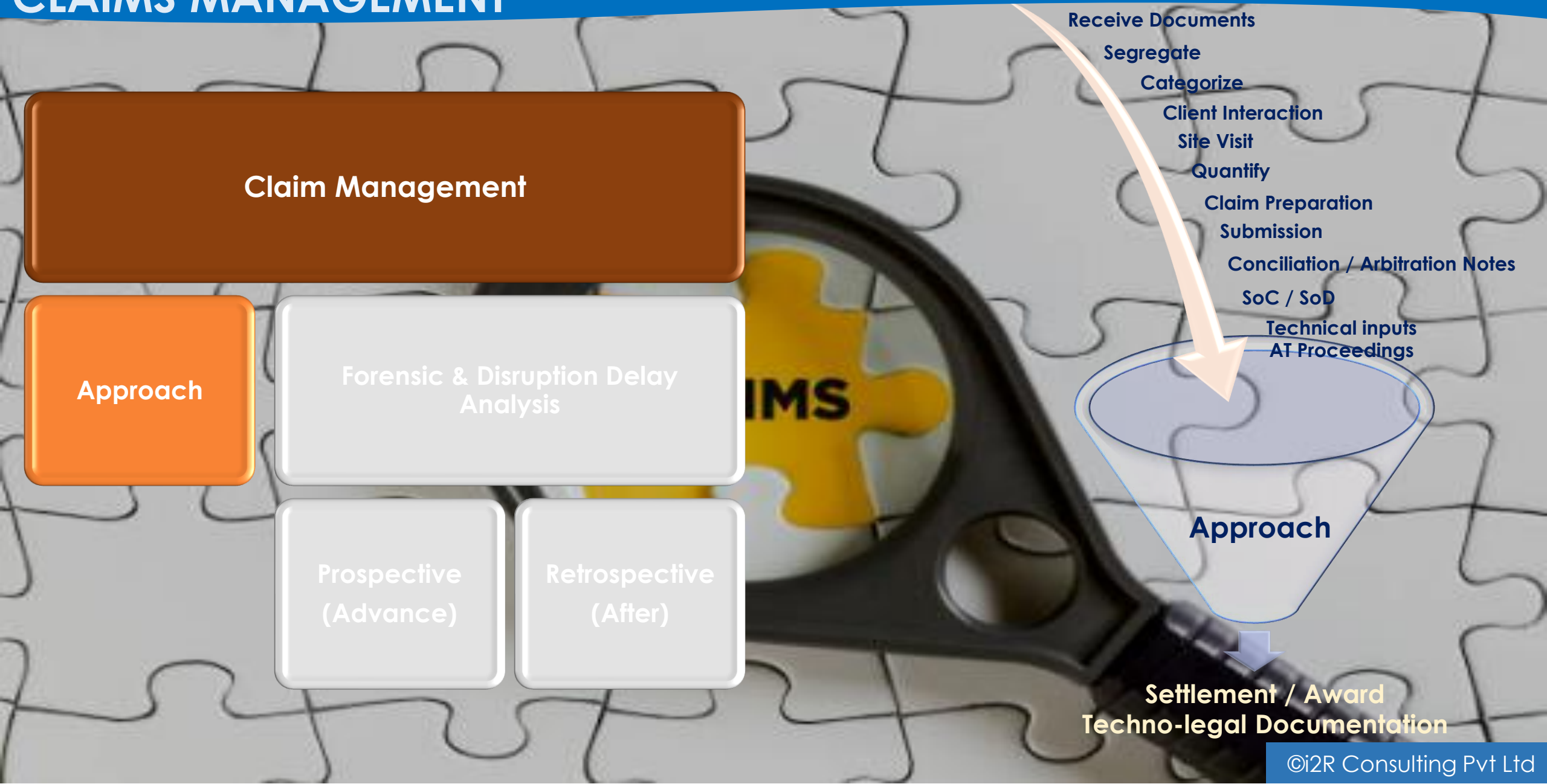
GROUP i2R SERVICES
CLAIMS MANAGEMENT

Claim Management

- Approach
- Forensic & Disruption Delay Analysis
- Prospective (Advance)
- Retrospective (After)



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GROUP i2R SERVICES
FORENSIC AND DISRUPTION ANALYSIS

Forensic & Disruption Delay Analysis

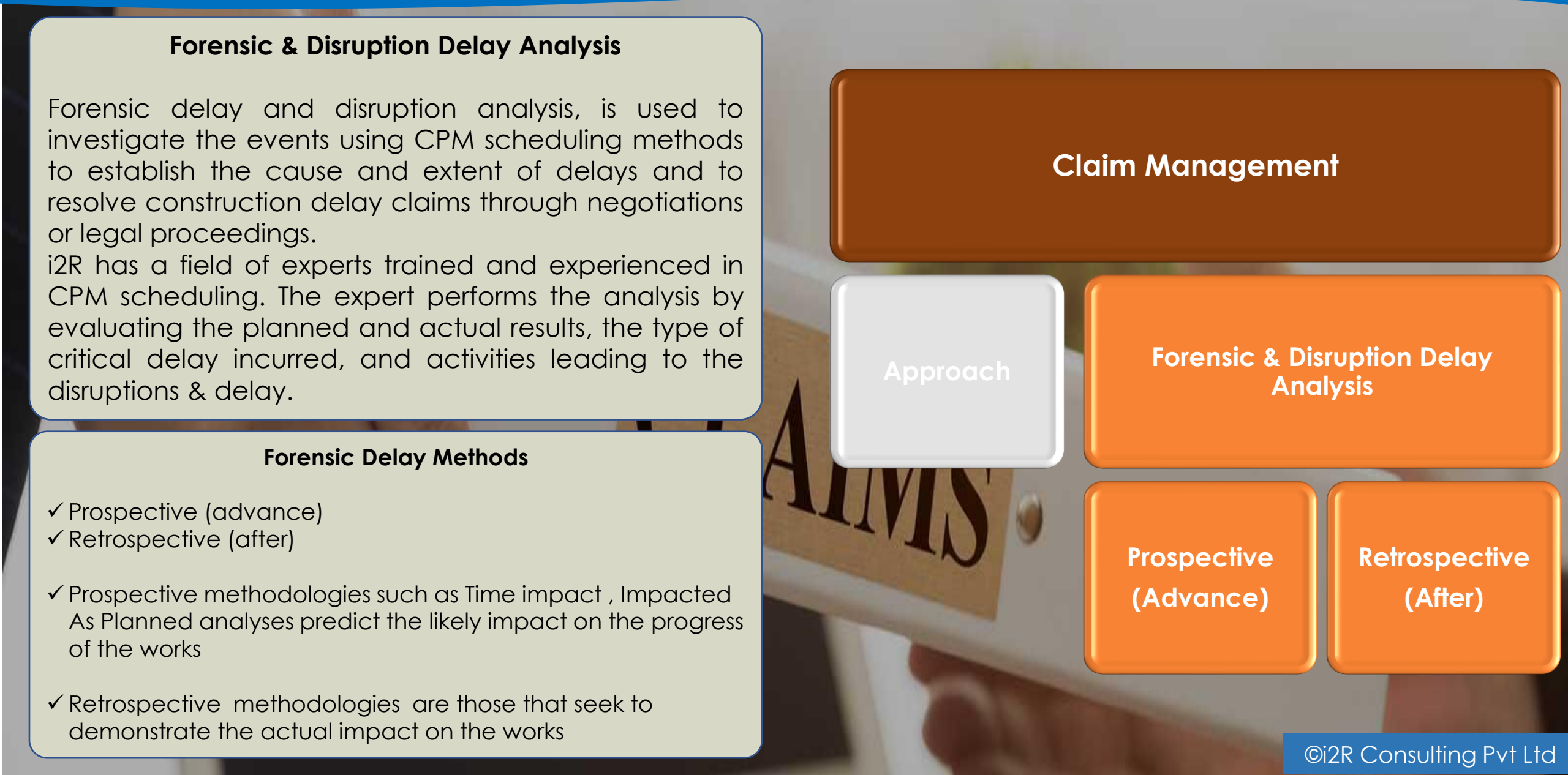
Forensic delay and disruption analysis, is used to investigate the events using CPM scheduling methods to establish the cause and extent of delays and to resolve construction delay claims through negotiations or legal proceedings.
i2R has a field of experts trained and experienced in CPM scheduling. The expert performs the analysis by evaluating the planned and actual results, the type of critical delay incurred, and activities leading to the disruptions & delay.

Forensic Delay Methods

- ✓ Prospective (advance)
- ✓ Retrospective (after)

- ✓ Prospective methodologies such as Time impact , Impacted As Planned analyses predict the likely impact on the progress of the works

- ✓ Retrospective methodologies are those that seek to demonstrate the actual impact on the works



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GROUP i2R SERVICES
EXPERT WITNESS

Expert Witness

Our expert services include:
- ✓Compliances to Contract
- ✓Schedules
- ✓Quantity Surveying
- ✓Claim Quantification
- ✓Techno-commercial advisory
- ✓Time extensions

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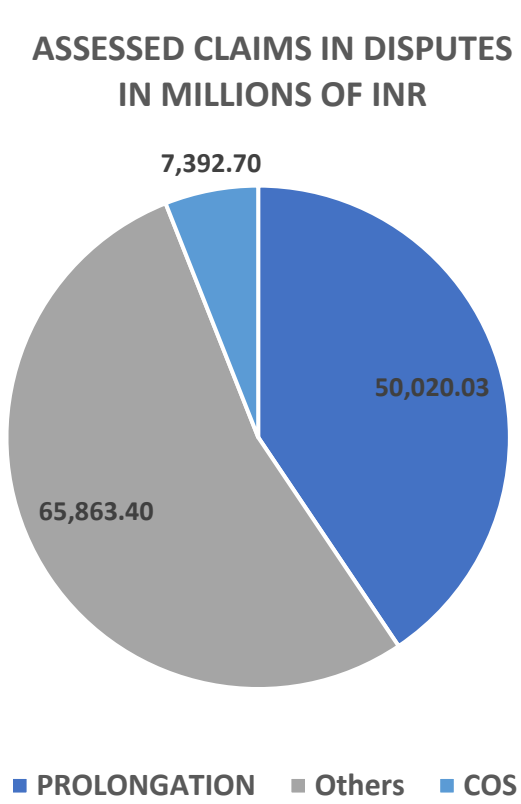
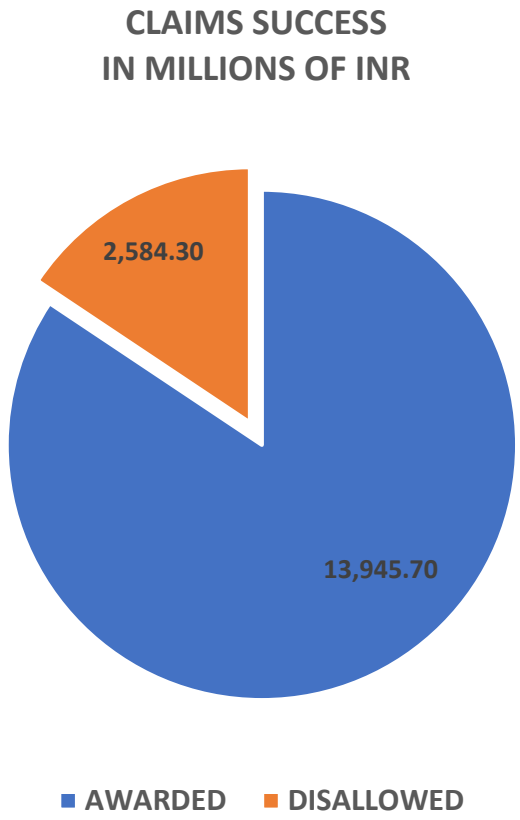
GROUP i2R
KEY SUCCESSES



BROAD CLASSIFICATION OF CLAIMS ASSESSED BY i2R



SUCCESS IN ARBITRATIONS ~ 85%

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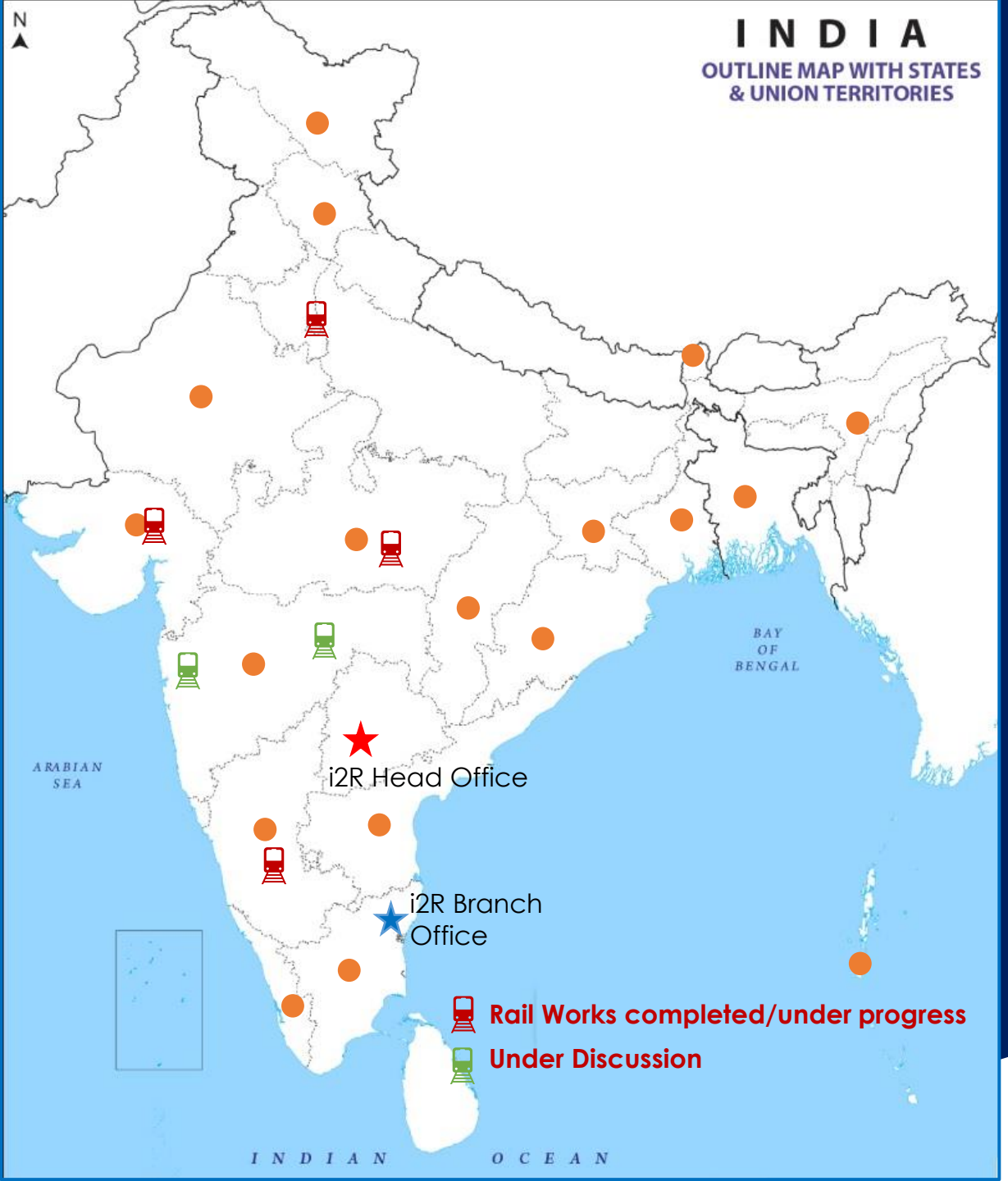

Group i2R Reach
Pan India & South Asia

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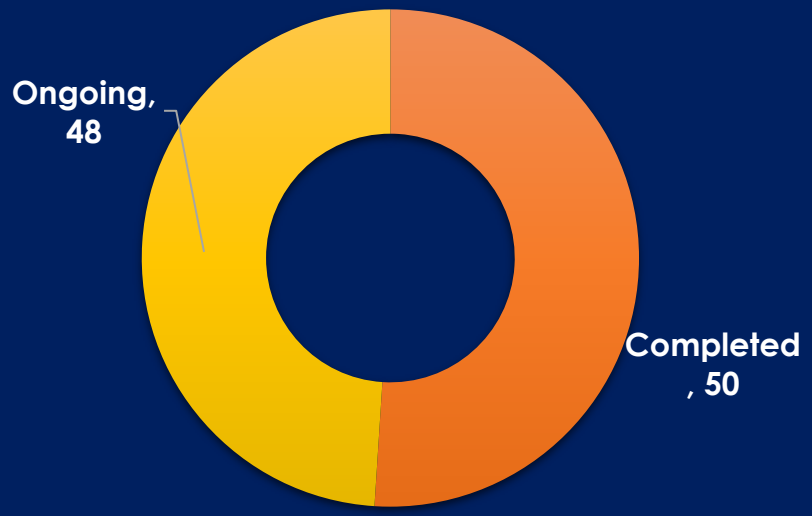
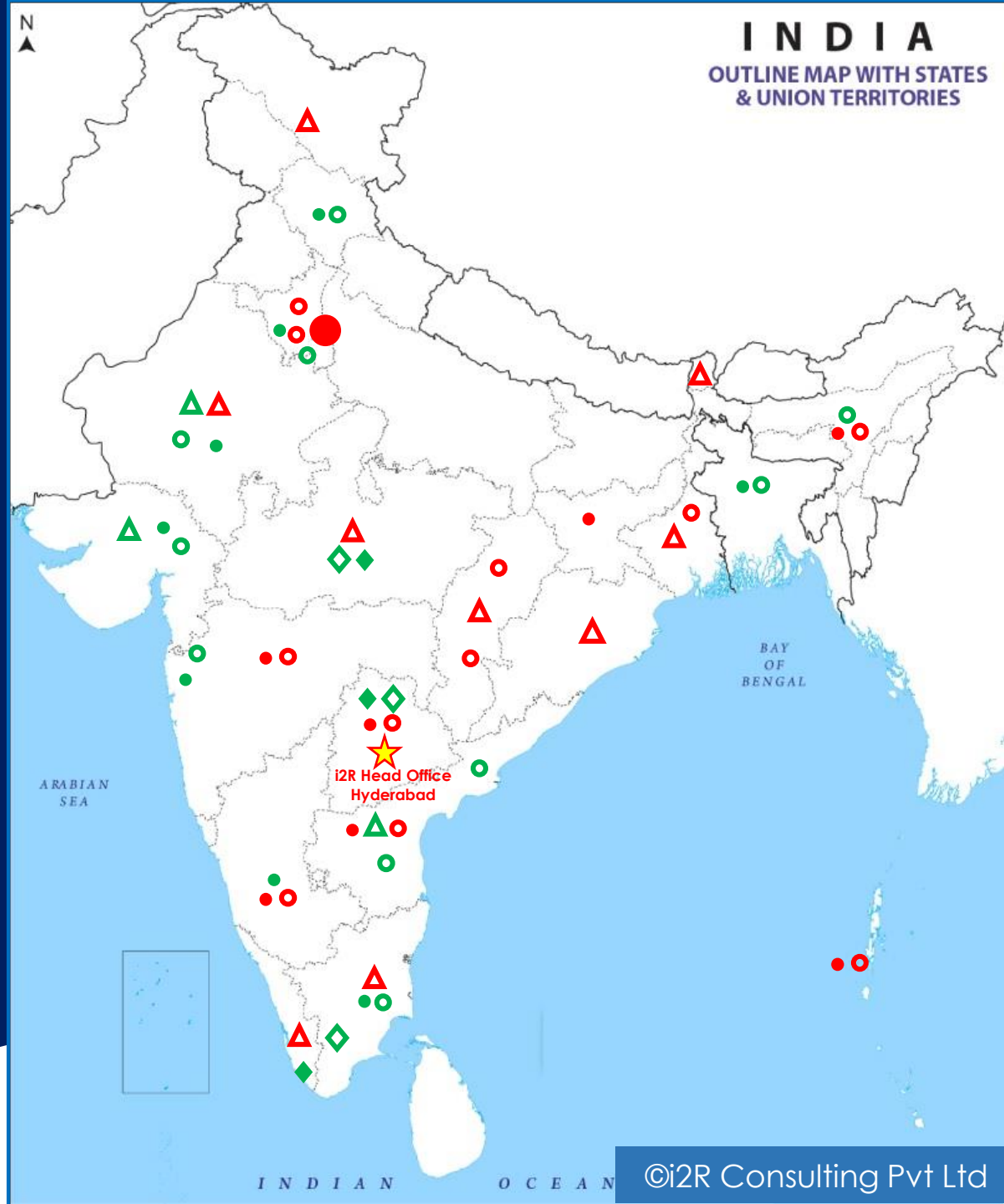
Group i2R Services
(Type Of Contracts - Completed Vs Ongoing)



Type	Services	On-going	Completed
EPC / Item Rate	CM	●	●
	CLM	○	○
PPP / BoT	CM	▲	▲
	CLM	△	△
HAM	CM	◆	◆
	CLM	◇	◇



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GROUP i2R
ABOUT THE FOUNDER

Was Part of the **Management Committee (CODIR)** of Group Egis, French leader in the Engineering business

Lead a new business line for Urban – branded as **My City by Egis** – to offer comprehensive services in urban segment across the globe, cutting across various business units of the group

Managed a portfolio of projects and prospects with a fee of more than 200 M€.

Managed Group operations (€ 31 Million) in India, including Indian subsidiary with Turnover – € 25 Million and 1100 staff

As CEO of Indian subsidiary increased Revenues by 4X and EBITDA by 4.5X in 4 years

Lead new diversification initiatives, including M&A and completed one Acquisition of 125 personnel.

Accomplished Group's entry to Sri Lanka in 2004 for the first time in 55 years.

Set-up, developed and directed new Business Units – Urban Development, Water, Rail and Airports.

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GROUP i2R
MANAGEMENT TEAM

- Vincent **is a senior advisor and owns** a graduate from the French Ecole Polytechnique and from Ecole Nationale de l'Aeronautique et de l'Espace.
- He has 27 years of experience in Infrastructure Engineering in India and overseas.
- Managed international subsidiaries of French Infrastructure Majors like Veolia, Egis and APAVE.
- Hands-on experience in O&M of Infrastructure in Europe and Middle East.

- Ramlal **is managing I2R project management BU** and owns a masters in Civil Engineering from NITW and PG Diploma in Alternate Dispute Resolution from NALSAR
- 28 years of Professional Experience in Construction and Management in India and Overseas
- An expert in Contract Management, especially in Infrastructure with PPP, EPC and FIDIC forms of contract.
- Hands on experience in dispute resolution for contracts in India and abroad

- Pattabhiram **is managing the Design BU** and has a postgraduate in Transportation Engineering with 27 years of Experience in Design and Construction of Roads in India and overseas.
- Is a certified PMP
- Managed design of more than 8,000 lane km of NHs/ SHs and 1,200 km of Access controlled Expressways
- Developed many applications in the field of Civil Engineering problems including Software for Complete Geometric Design of Highway (VS ROAD)

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GROUP i2R
MANAGEMENT TEAM

- Srinivas Sarma **is managing the Rail BU** and has a masters in Transportation Engineering from NIT-Warangal
- Over 30 years of Professional Experience in Construction and Management
- Served in Indian Railways, Chennai Metro and Nagpur Metro rail projects
- An expert in Project management, Contract Management, System Integration & Interface Management and Track works including Ballast less track forms

- Ilangovan has over 38 years' experience in Buildings, Metro Rail and Road projects.
- An expert in project execution and contract management.
- Associated with the Mumbai Metro One Pvt. Ltd., for the Implementation of contract for 12 metro stations.
- Worked on Chennai Metro Project

- Bhaskar Rao a power sector professional with more than 39 years experience in management, planning & construction of large & complex power projects (both Coal & Gas based thermal projects executed by NTPC) of 200 and 500 MW capacities
- Worked in various capacities as Execution Engineer, Project Manager, O&M Manger and General Manager in NTPC
- Also, involved in Execution and commissioning of power projects at Senegal in West Africa.

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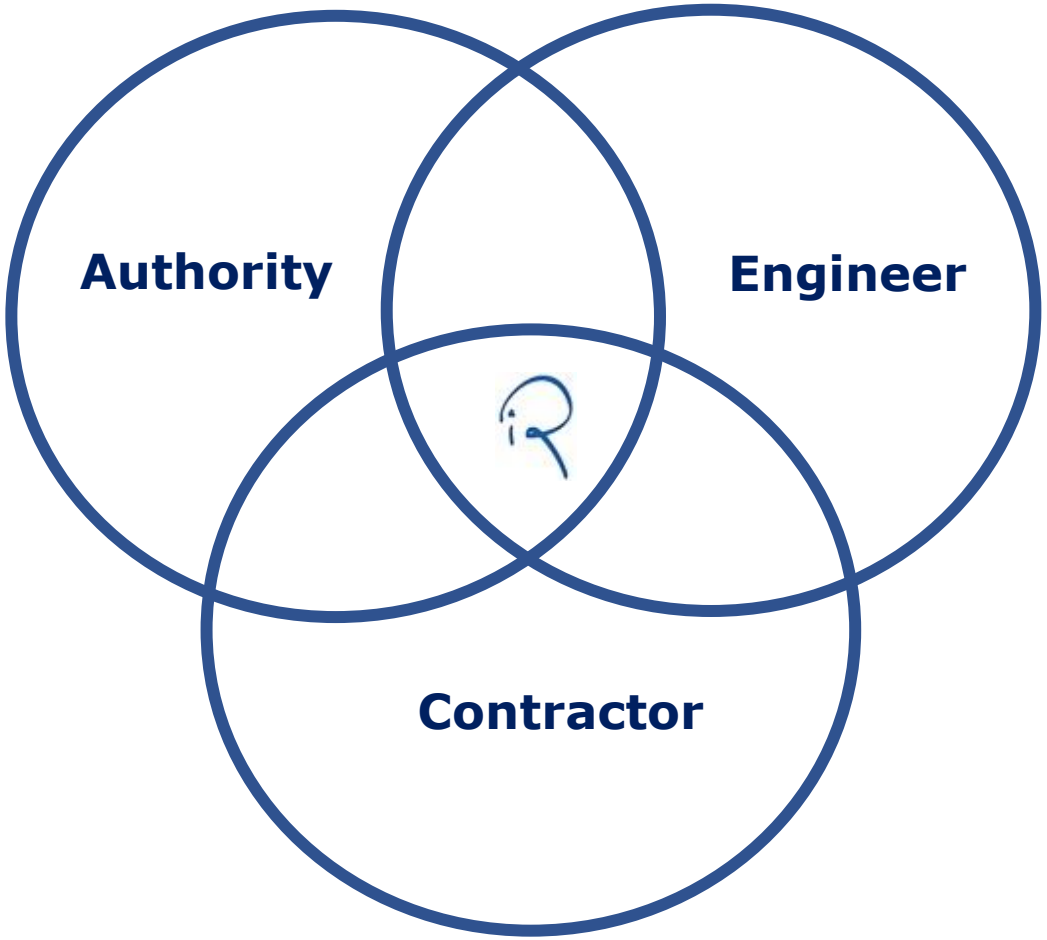
GROUP i2R
DOCUMENT MANAGEMENT SYSTEM



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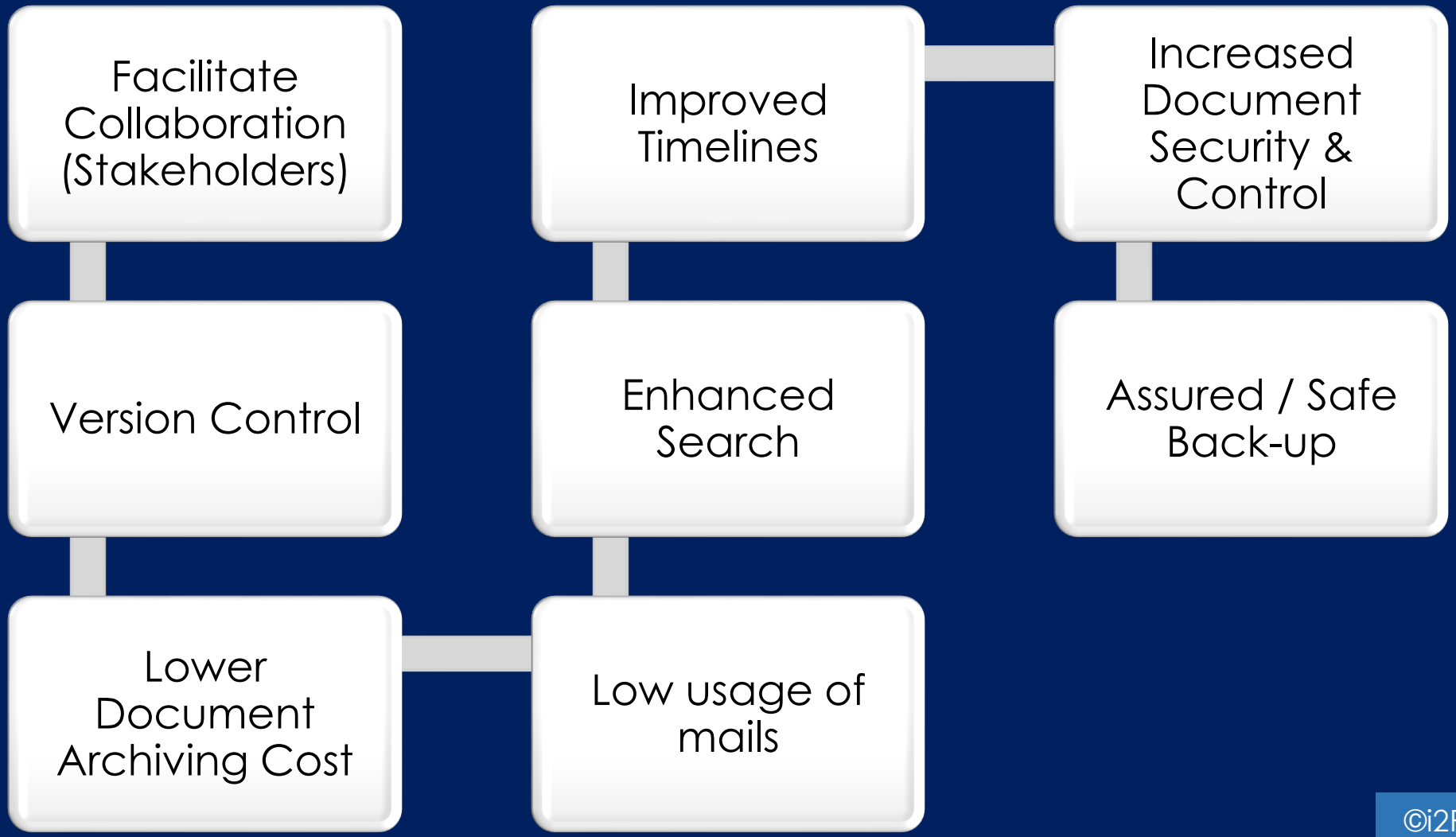

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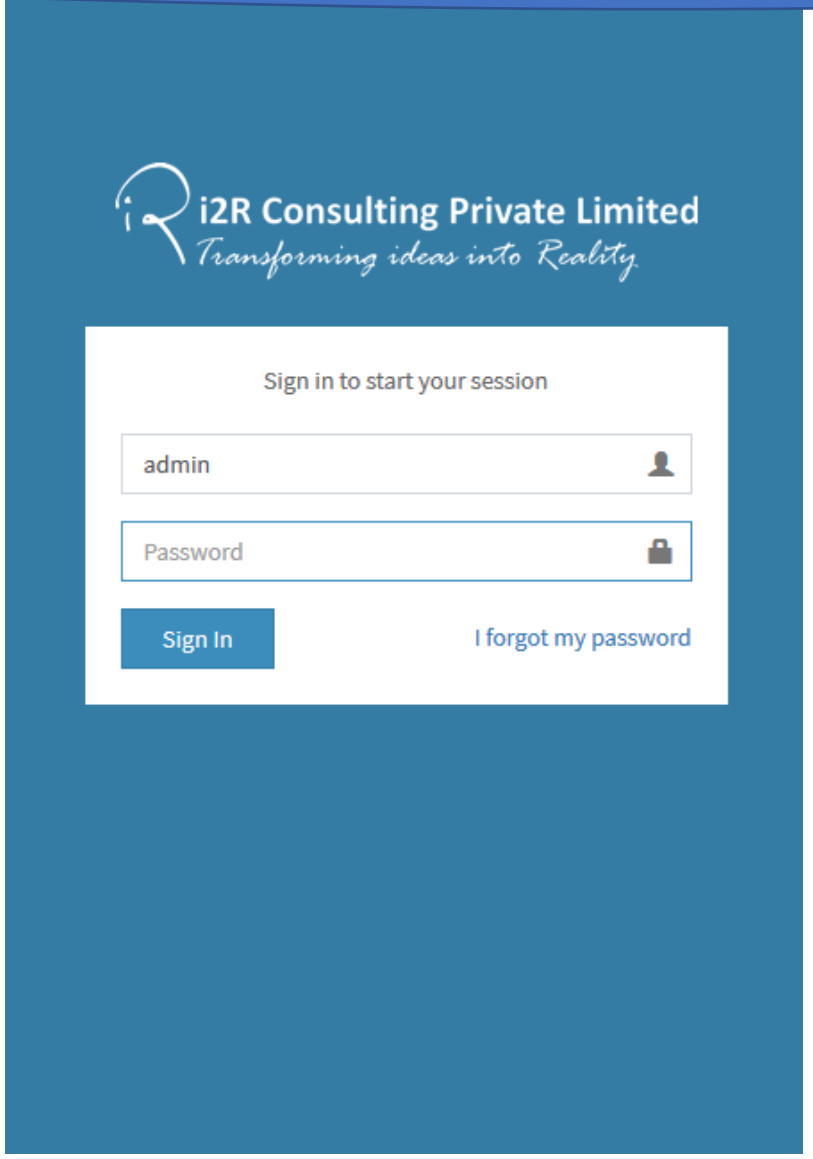
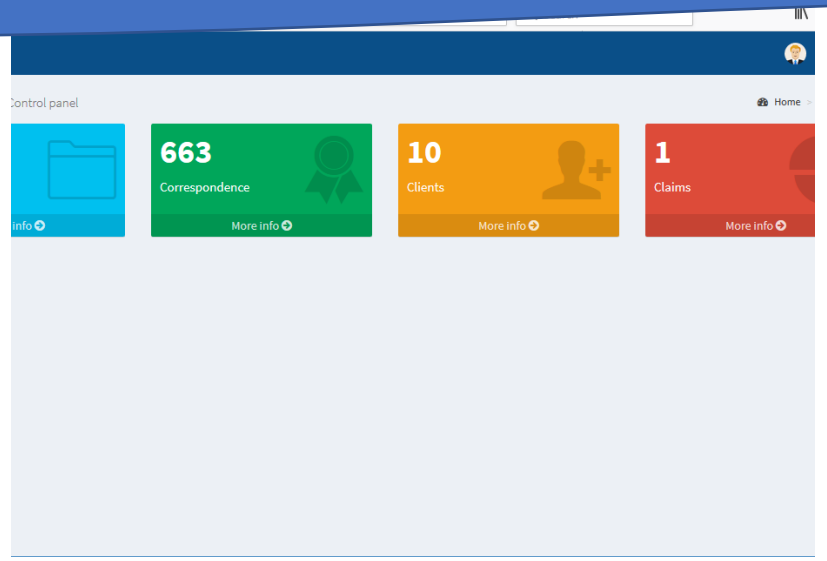
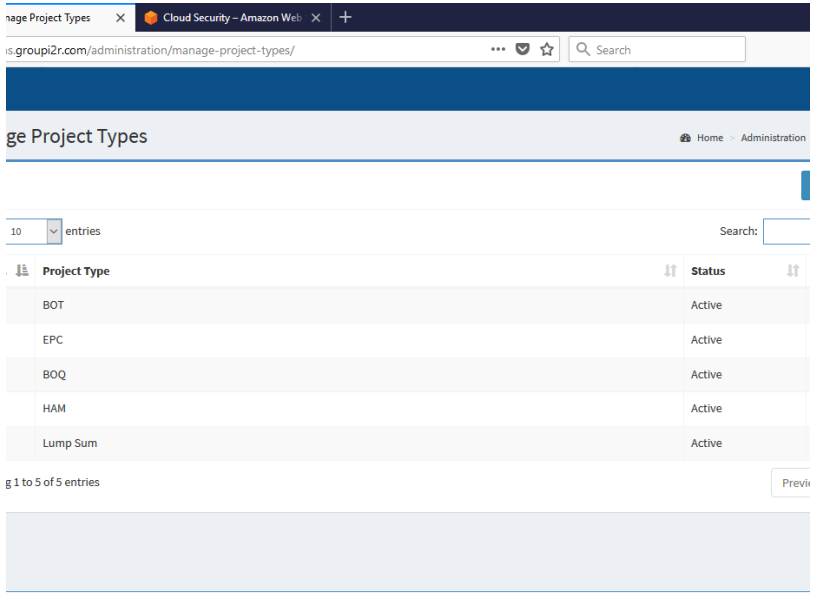
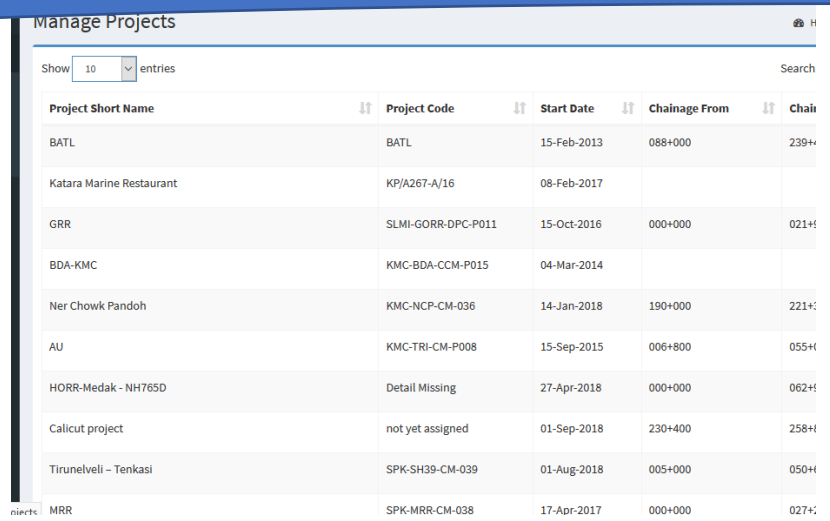
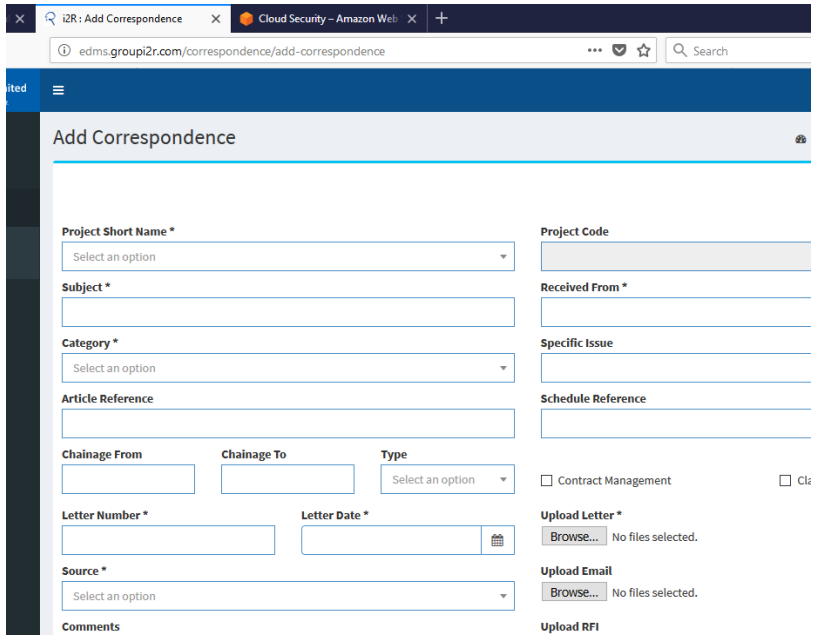
EDMS SCREENSHOTS











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