

TURNING  
YOUR BUSINESS  
*ideas*  
= INTO REALITY



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Master VDC / TOWND is a Leading **Consulting** Firm With Over a Decade Of Extensive **Global Experience**, Where Our Technical Expertise Provides a Blend Of Practical & Technical Knowledge, Utilizing Cutting-Edge Technology, Something That Catered For Over a 100 Successful Projects.



VISION

“We Are Investing In Talents To Defy, Tame, and Address Challenges For The Best Of Our Customer’s Interest, Utilizing State-Of-The-Art Technology In Design & Projects Management, Communicated In Many Tongues, Aiming To Be The Consultant Of Choice In The Global Market”

MISSION

“Well-Prepared Experts Ready To Deliver World-Class Qualit In BIM, Engineering & Projects Management Working In The Framework Of Integrity & Customer Satisfaction”

VALUES



Integrity



Quality



Commitment



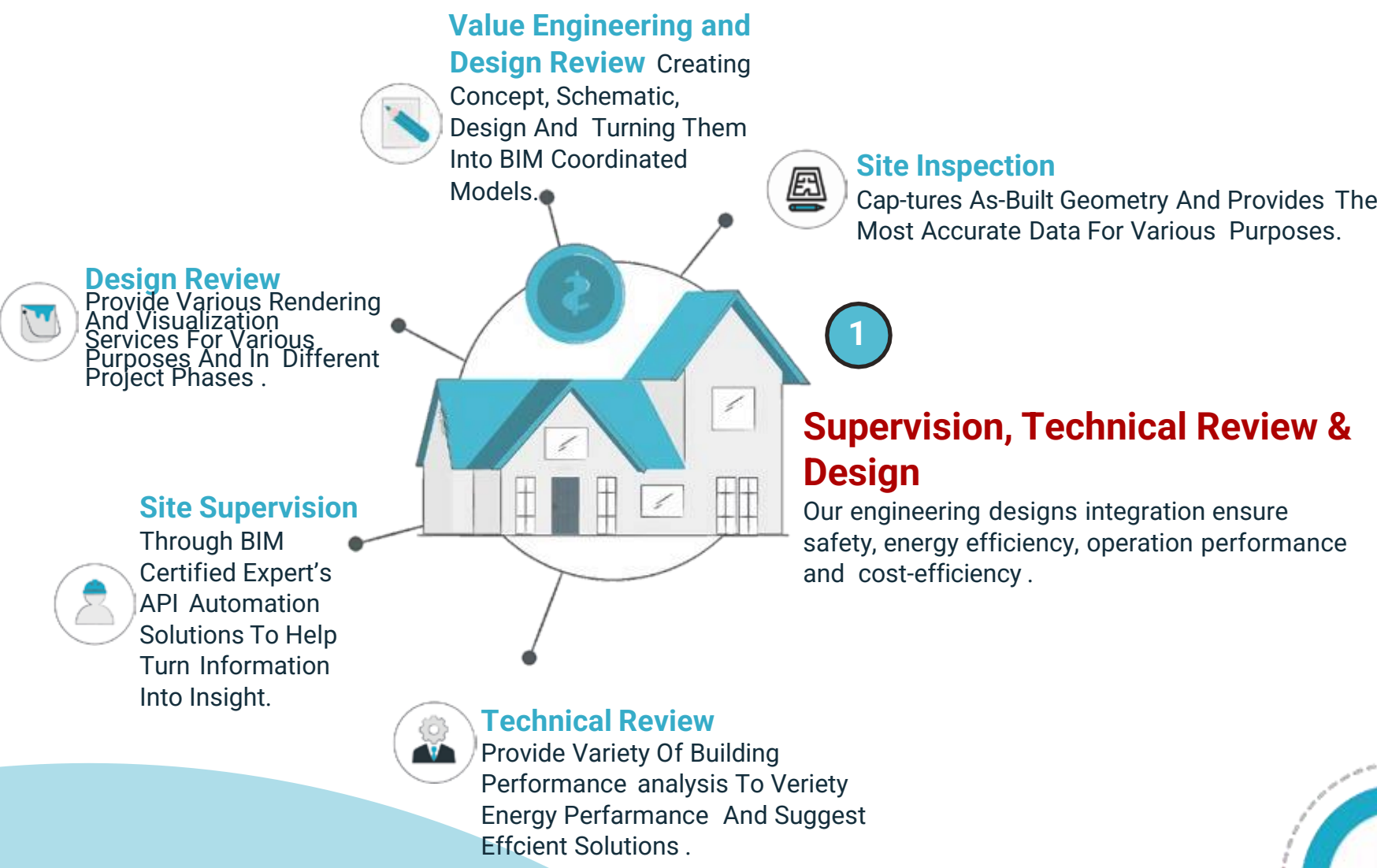
Society  
& Enviroment

“We Are Challenging Ourselves To Maintain Sustainable Business While Out-ranking Values Over Profit”

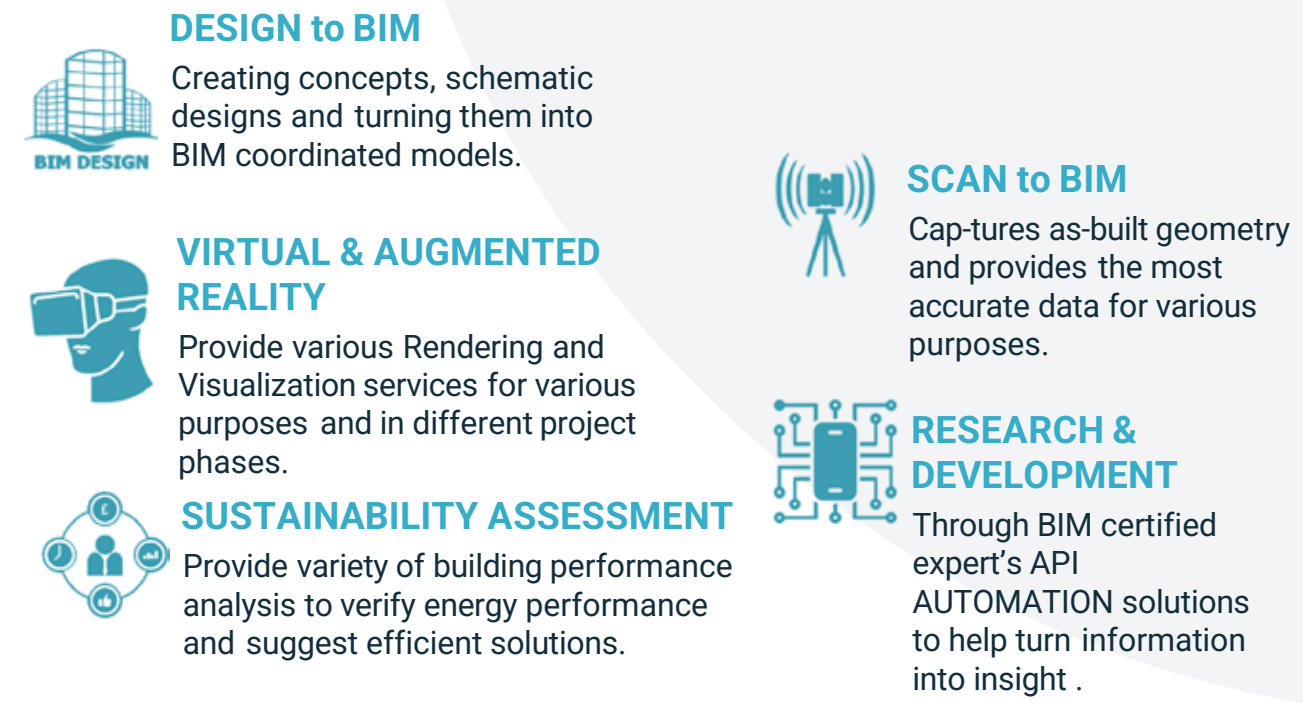
Engineering  
That Meant  
For  
Better World



TOWN SERVICES



2 Digital Transformation & Specialties  
Digital Transformation and BIM Advanced Services



3 Project Management  
Utilize latest Technologies And Techniques To Manage Your Project.





PROJECT MANAGMENT MOBILE APPLICATION

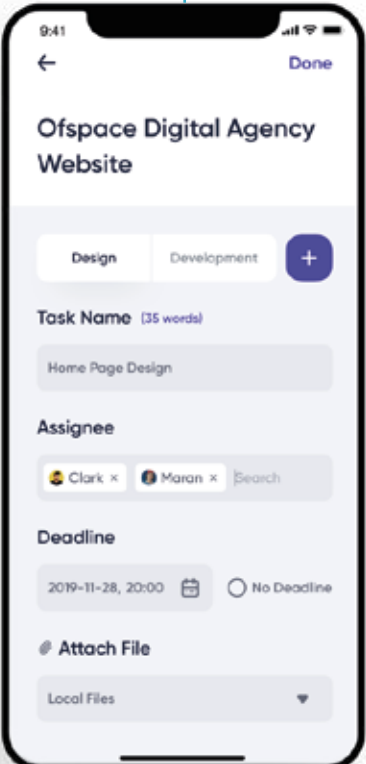
Manage Even The Most Hectic Project Workflows



Keep Every Detail Of a Project Centralized In Real Time



Use New Roadmaps To Sketch Out The Big Picture



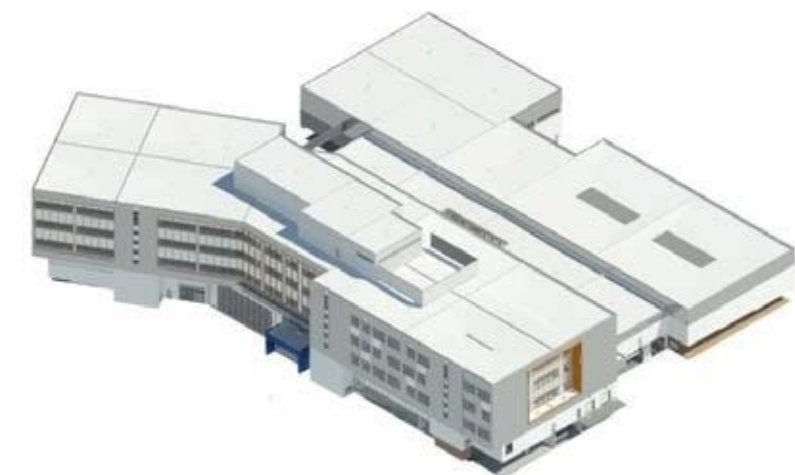
WE WORK WITH VALUABLE CLIENTS AND PARTNERS



# SUPERVISION, TECHNICAL REVIEW AND DESIGN

### UNE NOUVELLE ECOLE A MONTREAL NORD

MONTREAL, CANADA



**Client :** Extincto Specialists

**Area :** 27500 SQ.M

**Scope :** Firefighting coordination and  
clash resolution RDJ

**Year :** Completed



# SUPERVISION, TECHNICAL REVIEW AND DESIGN

### SANTA CABRINI HOSPITAL

MONTREAL, CANADA



**Client :** Extincto Specialists

**Area :** 12,000 SQ.M

**Scope :** Firefighting coordination and  
clash resolution RDJ

**Year :** Ongoing



## SUPERVISION, TECHNICAL REVIEW AND DESIGN

## ÉCOLE DE TECHNOLOGIE SUPÉRIEURE (ÉTS) – PAVILION F

MONTREAL, CANADA



**Client :** Extincto Specialists

**Area :** 9,000 SQ.M

**Scope :** Firefighting coordination and  
clash resolution RDJ

**Year :** Ongoing



# SUPERVISION, TECHNICAL REVIEW AND DESIGN

### LA TOUR TRIANGLE

PARIS, FRANCE



Client : BESIX

Area : ~180M (590 FT) 42 FLOOR

Scope : BIM Masonry Modeling  
Structure Load Plans, & BIM  
Shop Drawings

Year : Ongoing

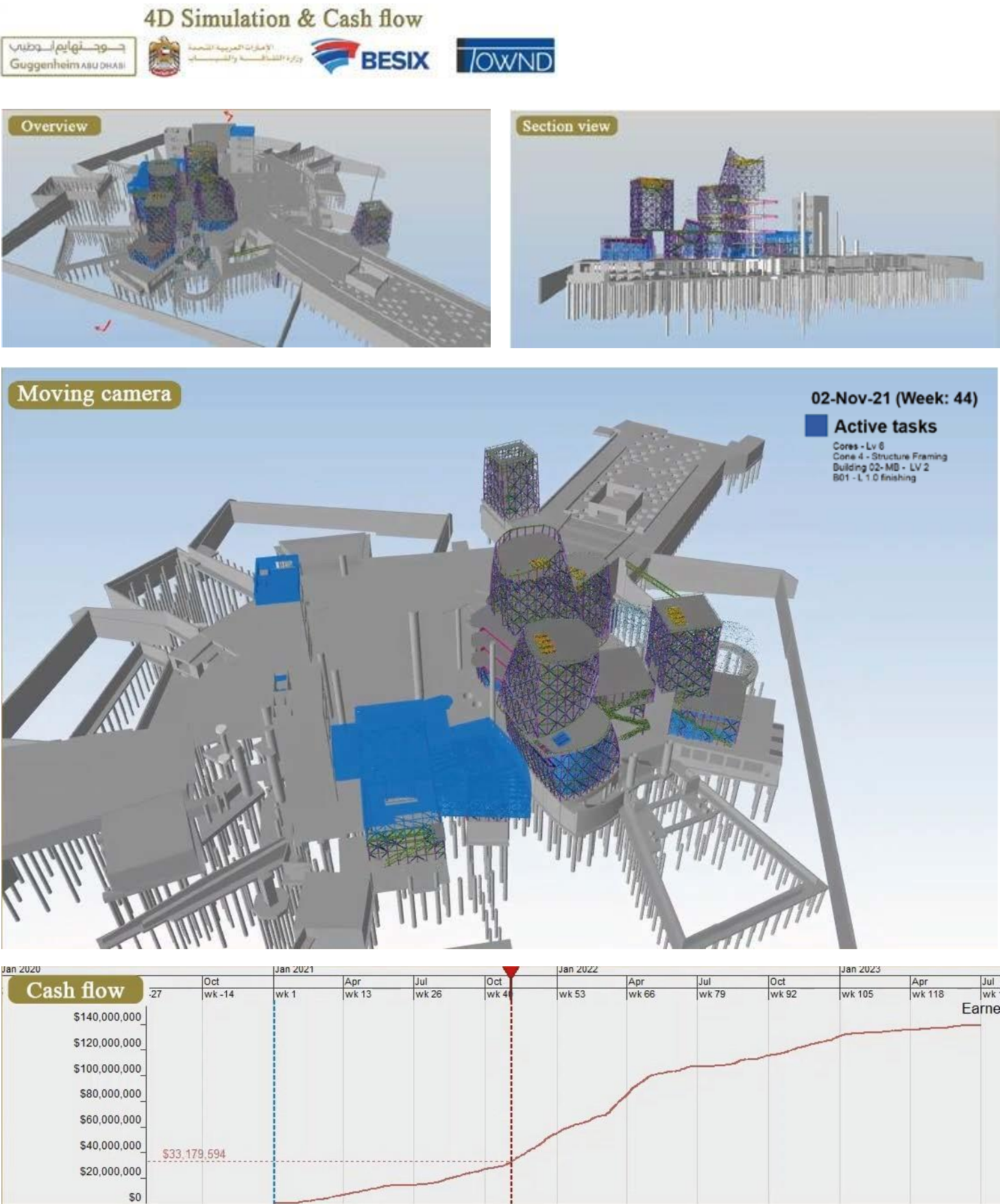


GUGGENHEIM MUSEUM

ABU DHABI -UAE



Client : RED / BESIX  
Area : 42,000 sq.m  
Scope : Full MEP Design Review Services  
& BIM Management.  
Year : Under Construction





# SUPERVISION, TECHNICAL REVIEW AND DESIGN



### RESIDENTIAL BUILDING

BRANTFORD, CANADA



Client : Lakeview  
Area : 15,000 SQ.M  
Scope : Fire alarm system claim  
review

Year : Completed



## SUPERVISION, TECHNICAL REVIEW AND DESIGN

## WAREHOUSE

SCARBOROUGH, CANADA



**Client :** Top bin  
**Area :** 2,000 SQ.M  
**Scope :** Mechanical and Electrical  
Design plus structural design of the  
loading/ unloading steel deck  
design

Ongoing



## BELGIUM PAVILION EXPO 2020

DUBAI, UAE



**Client :** Besix

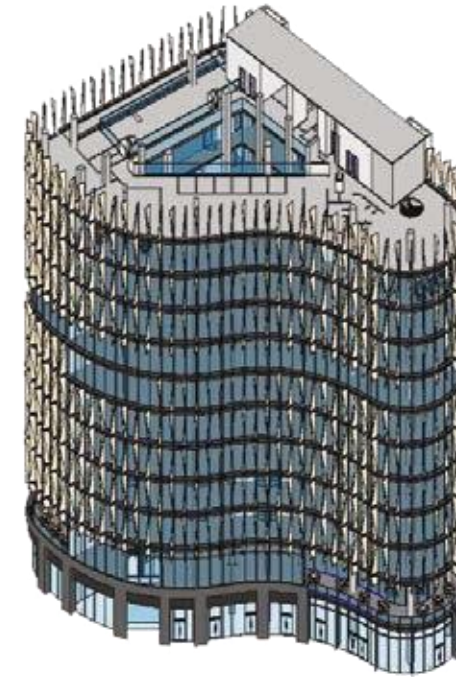
**Area :** 500 sq.m

**Scope :** Full MEP BIM Implementation  
& Second Floor Coordination.

**Year :** 2020

## ZIA TOWER

CAIRO, EGYPT



**Client :** Margins Development

**Area :** 12,150 sq.m

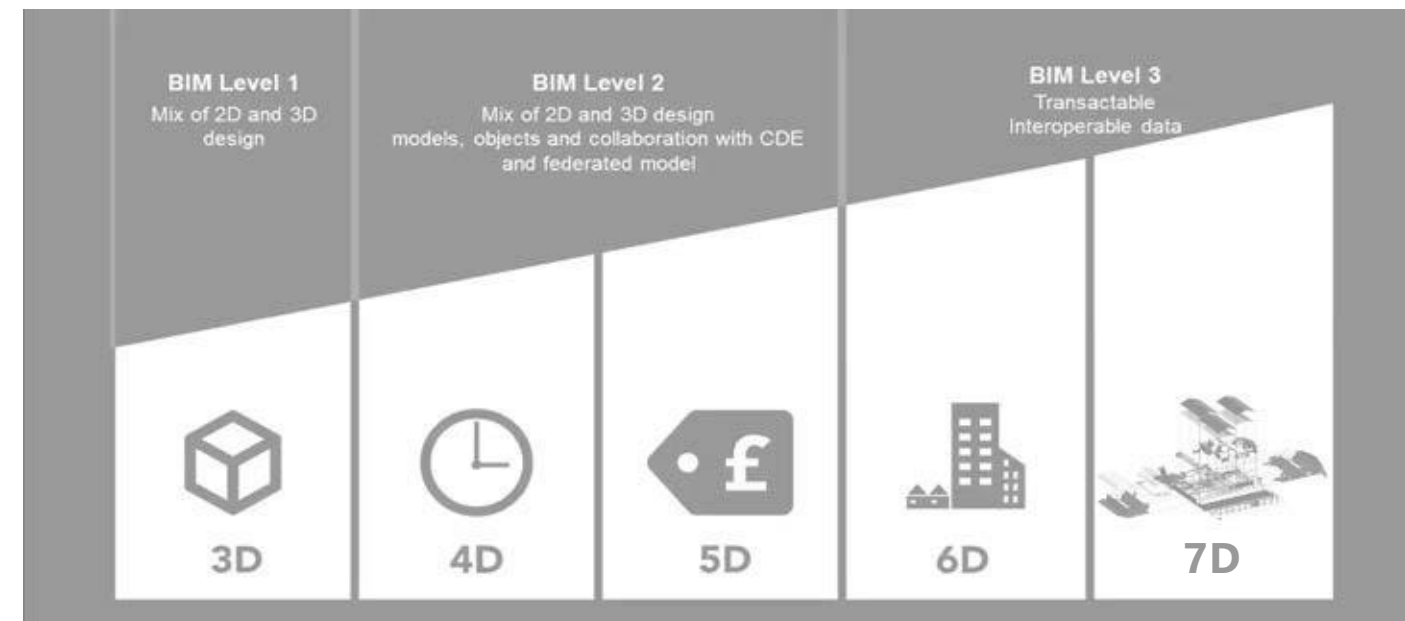
**Scope :** MEP Design, BIM Implementation,  
MEP Shop Drawings, Construction  
Management & Procurement

**Year :** 2021



# DIGITAL TRANSFORMATION & SPECIALTIES

## DESIGN TO BIM



## DIGITAL TWIN



BIM DIMENSION



VIRTUAL AND AUGMENTED REALITY

ARCHITECTURAL

STRUCTURAL

MEP SPECIALISTS

**Construction**  
Resolve construction conflicts virtually

**View your Design**  
View and interact with your design

**360**  
Take a 360 tour

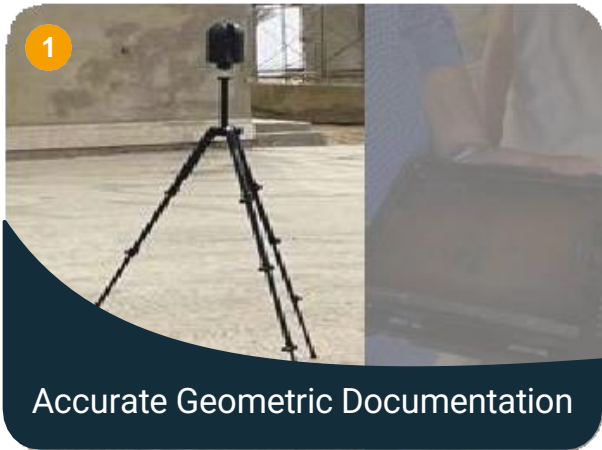
Virtual Reality User

AR Interface

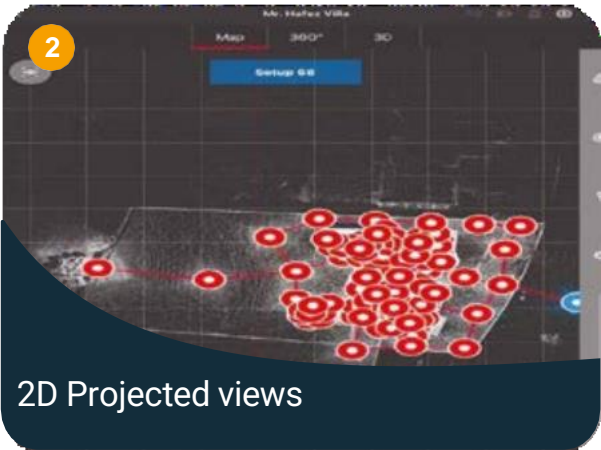
AR in Construction

SCAN TO BIM

Planning: Locate Scanning Positions



Scanning: Process The Scanned Information



Scanning: Accurate Measurements



Delivery: Achieve Digital Twin Model





RESEARCH & DEVELOPMENT

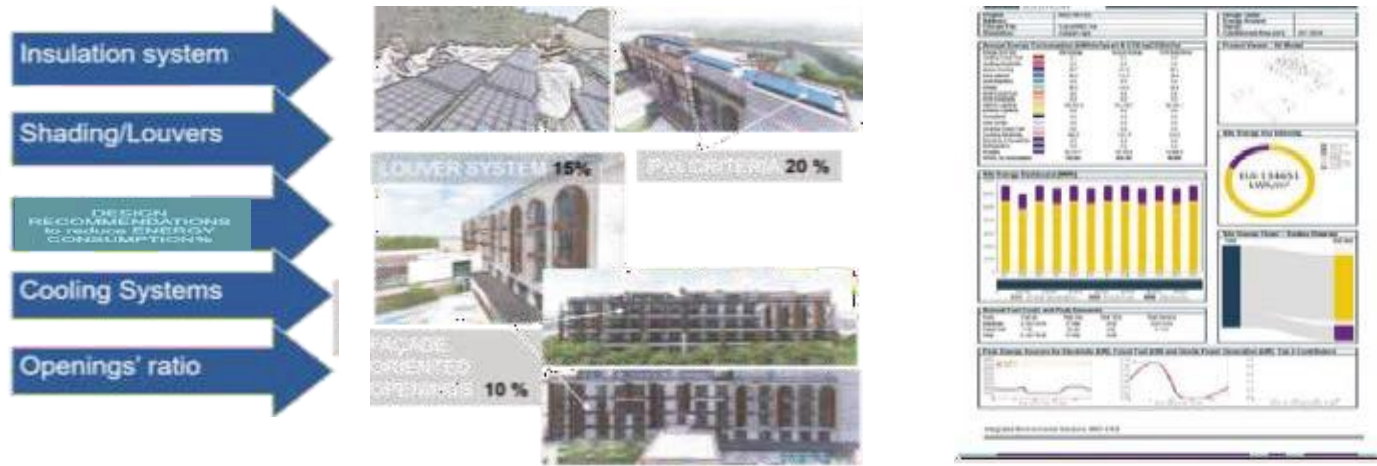


Digital Project Management

- 1. Planning
- 2. Project Controls
- 3. Procurement Management
- 4. Risk Management
- 5. Claimre Solution



SUSTAINABILITY ASSESSMENT

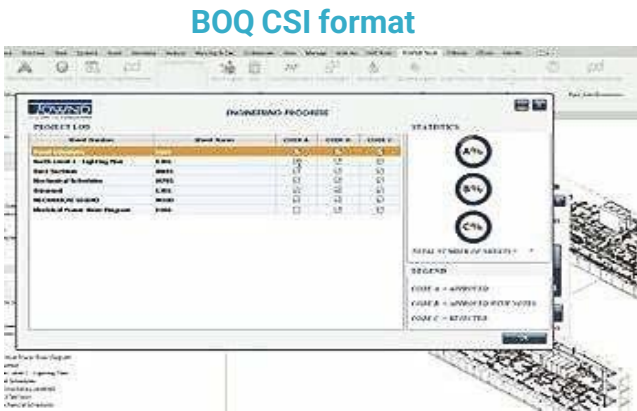


Design Using Digital Tools For Excellent Output

Changes how buildings, infrastructure and utilities are planned, designed, built and managed.

TOWND provides through BIM certified expert's API automation solutions to help turn information into insight value at every step in the process.

TOOLS SAVE TIME & EFFORTS UP TO 70%



Real time progress tool





# PROJECT MANAGEMENT

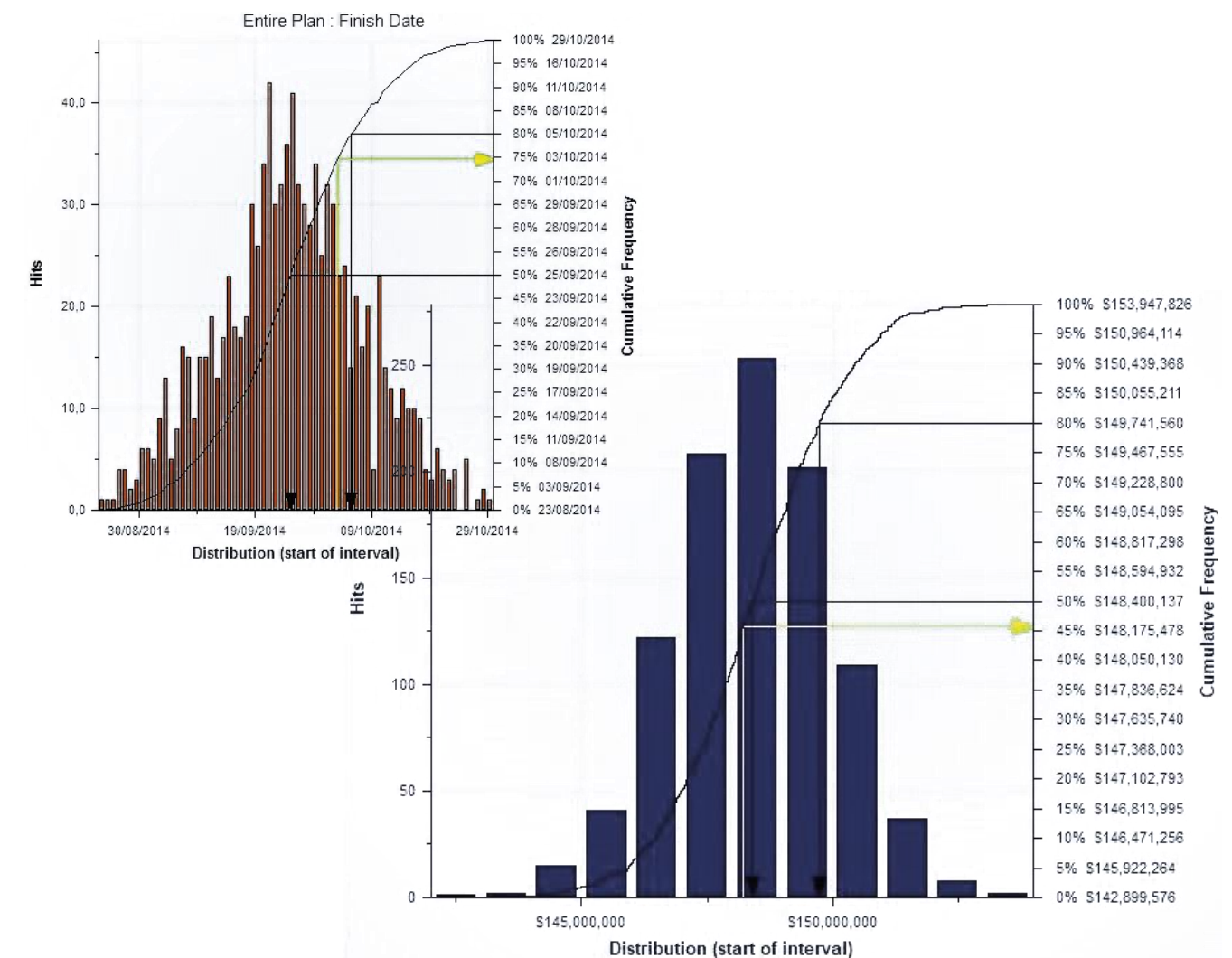
## RISK ANALYSIS

We Identify The Hazards In Order To Have Clear Vision To Decide What Are The Impact And Likelihood Of Each Risk. Risks Have To Be Evaluated To Decide The Precautions. Risk Management Plan Has To Be Prepared To Monitor And Control Risks.

Project Manager Leads Meetings With The Team To Update Risks Probabilities And Impacts.

Risk Management Software Programs Can Be Used To Calculate The Probabilities Of Completing The Projects At Certain Times Or Certain Budget.

Other Programs Could Be Used To Monitor The Risks And Calculate The Expected Monetary Value That Help Top Management In Getting Prepared In Case Risks Take Place.





**6<sup>th</sup> LINE HIGHWAY WIDENING**

OAKVILLE, CANADA



**Client :** Primrose  
**Area :** Not Applicable  
**Scope :** Cost & Time Claim for Highway Road  
**Year :** 2021

**NUCLEAR PLANT REFURBISHMENT**

ONTARIO, CANADA



**Client :** NSI  
**Area :** Not Applicable  
**Scope :** PM Services For Station Facilities of 2 Units In a Nuclear Plant Refurbishment Project  
**Year :** Ongoing



Toronto, Canada

## Master VDC

A Canadian Engineering and Project Management incorporation

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