



**Ikshana**  
AUTOMATION



# Engineering Services

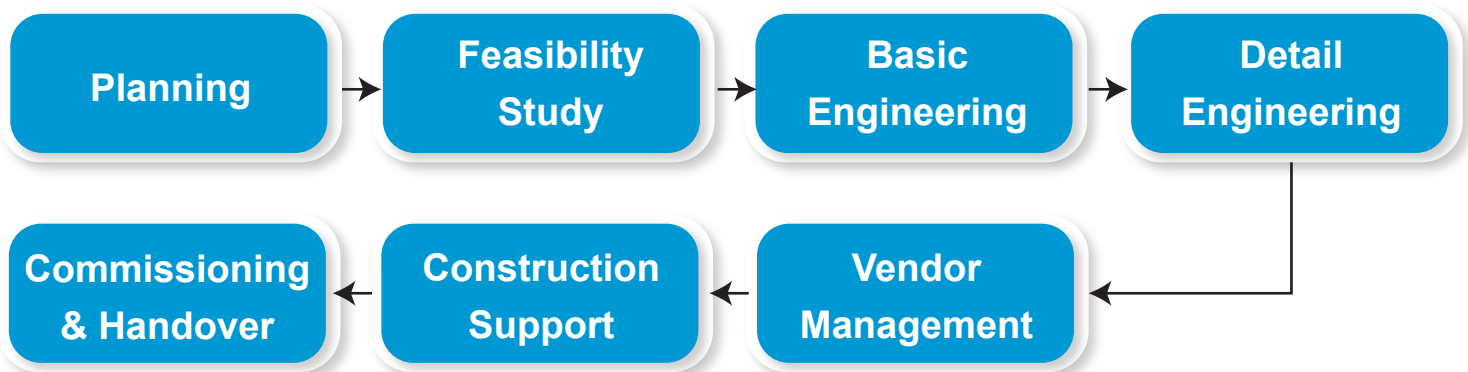
## Bulk Material Handling System



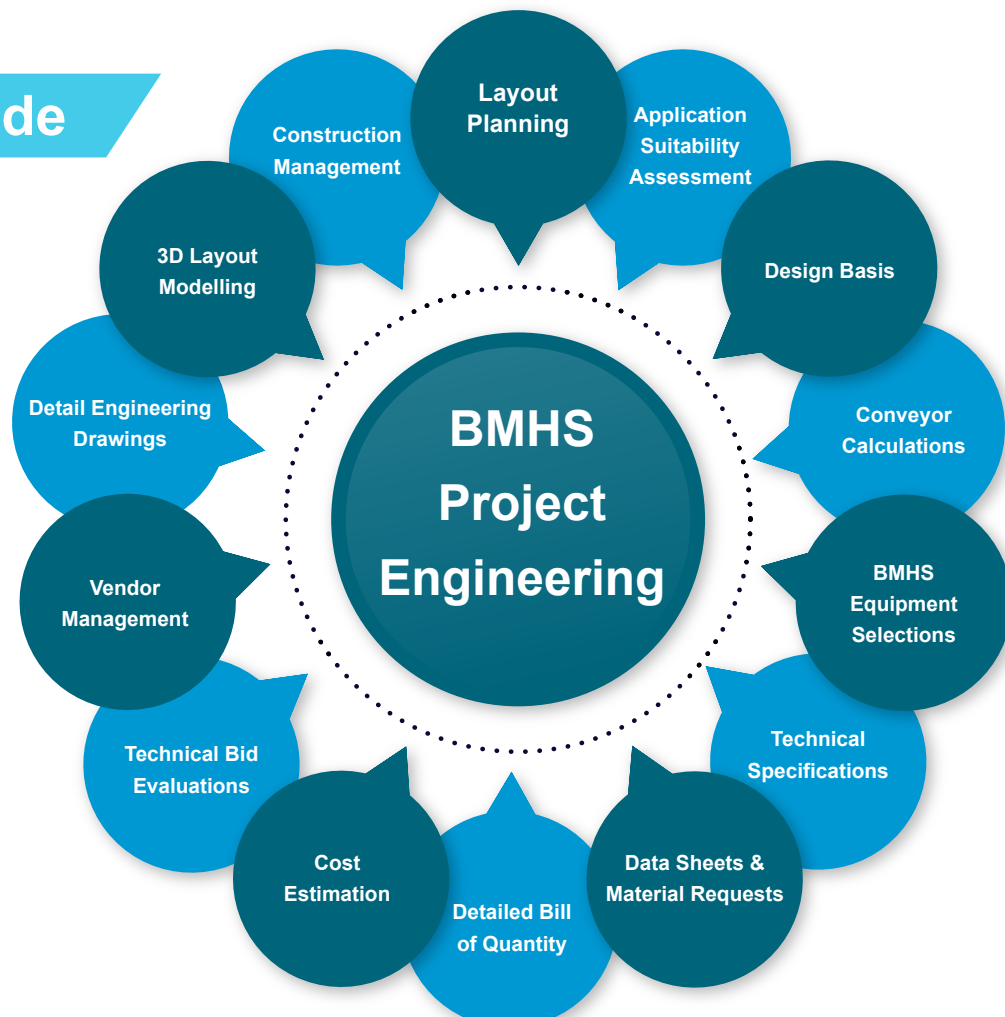
# Bulk Material Handling System Engineering

We focus on “Quality” of deliverables with respect to design safety, reliability, constructability and operability within the limits of Time & Cost for BMHS Project Engineering.

- We provide Engineering, Procurement & Construction Management (EPCM) services with world’s best innovative and smart way to reduce time and cost with safety in design as priority.
- More than 15+ years of industrial experience from India & global organizations, consist of engineering, design, modelling, procurement, QA, QC, site execution, testing, commissioning & successful handover.



## Solution We Provide



**Our Experience**  
is our strength

## Our Strength

- Safety in Design
- Quality & Quantity – OTD
- Optimization
- Value Engineering
- Layout Engineering & Design
- Detail Calculations
- Detailed Bill of Quantity
- Technical Deliverables for Detail Engineering
- Cost Estimation
- Procurement Data
- Non-Biased Bid Evaluation
- Construction Management
- 2D Modelling
- 3D Modelling
- Fabrication Drawings
- Layout Drawings
- Profile Drawings
- General Arrangements
- Vendor Drawing Integration
- Drawing Quality as per standards
- Mechanical & Utilities Drawing
- Civil & Structure Drawings
- Electrical and Automation drawings
- Drawing checking procedure

## Project Engineering

**Mechanical :** Layout Planning, Conveyor Calculation, BMHS Equipment Selection, Component Selection, BOQ, Estimation, Vendor Management, Execution Support

**Civil & Structural :** Geotech Support, Detail calculations, Material takeoff, Estimation, Vendor Management, Execution Support

**Electrical & Automation :** Electrical Reticulation system, Power System Study, Detailed Automation engineering, Field Instrumentation, PA & CCTV, Fire Alarm System

**Utilities :** Dust suppression system, Fire Fighting System, Dust Extraction System

**Project Management :** Project Scheduling, Progress reports, Project Control, Project Coordination, Construction & Commissioning support

Port

Power

Mines

Metals

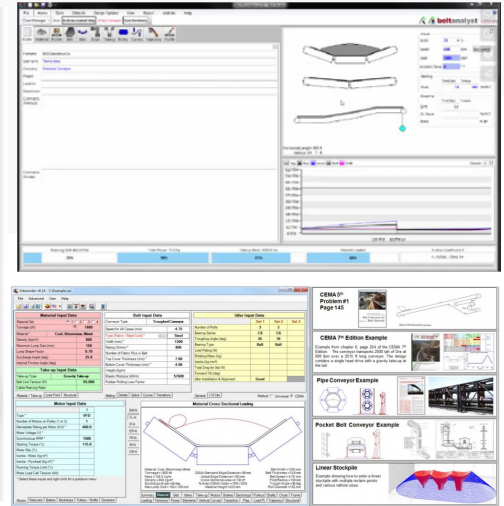
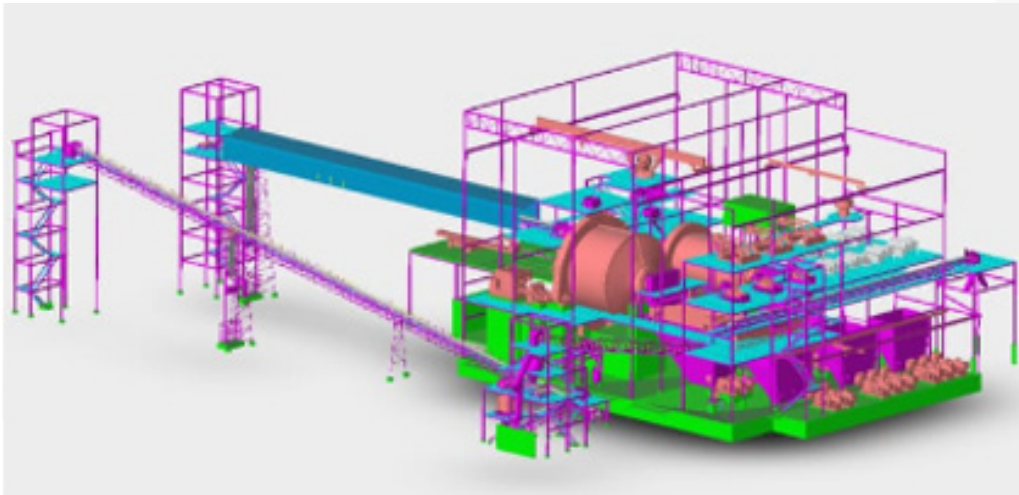
Cement

Minerals

Aggregates

And Many More...

# Software Expertise



**ORACLE**  
PRIMAVERA

**A** AUTODESK  
CIVIL 3D

**R** AUTODESK  
ROBOT

**I** STAAD.Pro

**CONVEYOR DYNAMICS** **etap**

**AC·Tek**  
Advanced Conveyor Technologies

**I** AUTODESK  
INVENTOR

**beltanalyst**

**S**  
SOLIDWORKS

**A** AutoCAD

**DIALux**



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