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18 – 21 FEBRUARY 2023
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MEP – Prefabrication Technology

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CEO



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MEP – Prefabrication Technology

Problem VS Solution

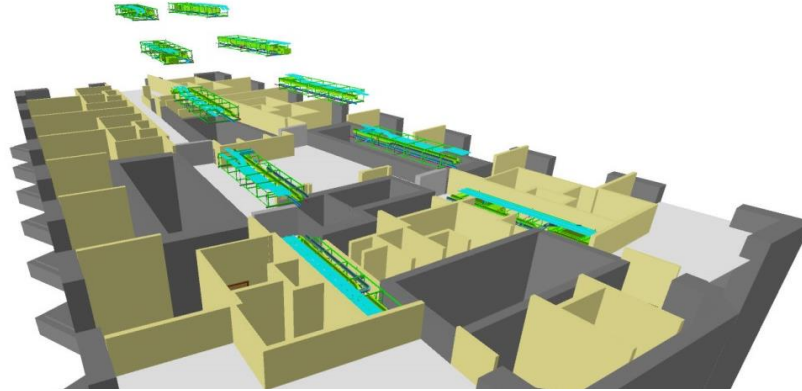
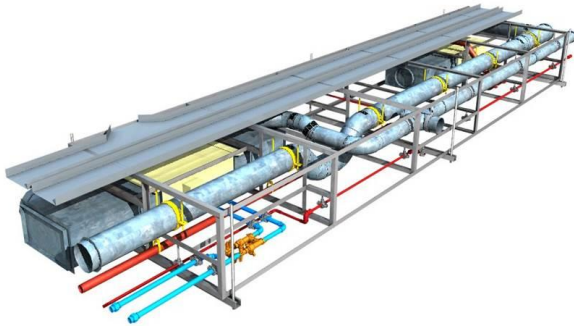
The Problem

- The Kingdom of Saudi Arabia 2030 vision is having massive demand backlog of new construction.
- Traditional Construction can't meet Client's expectation.
- Cost, Quality and Time are Crucial in building a modern KSA.

The Solution

- Provides a tangible response to develop smart, affordable, and sustainable MEP for the future.
- Helps to address the MEP construction demand gap through cutting edge modular systems.
- Improve the speed, quality, and competitiveness and using significantly less site labour.
- Delivered Factory Complete, Speeding Up Project Completion & Productivity.

Product Overview



Typical 6m MEP Corridor Module

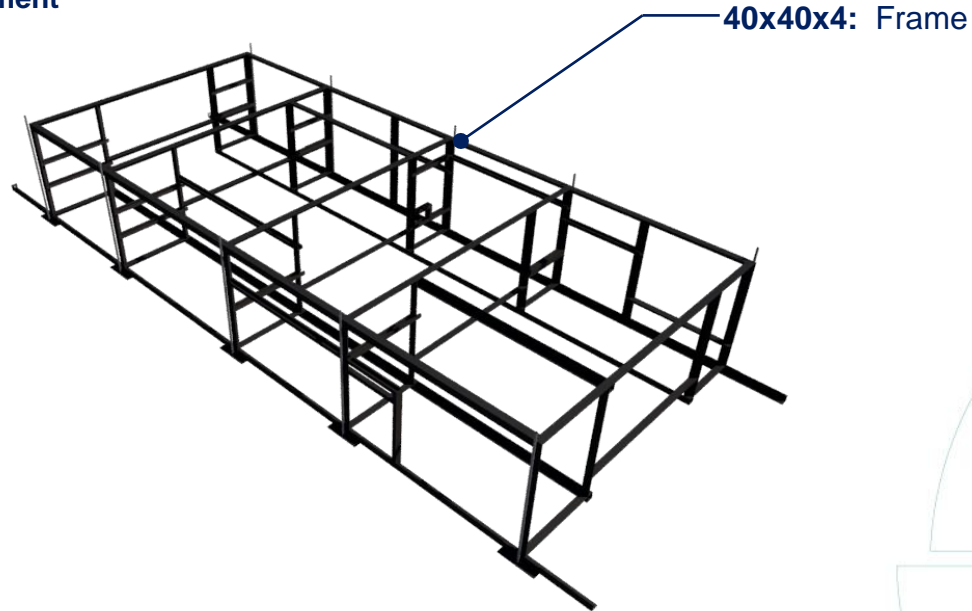
” All Services fully coordinated, factory installed and tested ”

“Factory Working up to 24hrs/day, Completed Modules Ready For Delivery Immediately Upon Gaining Site Access”

“Site Installation & Commissioning Takes a Fraction of the Time Needed for Traditional Construction Methods”

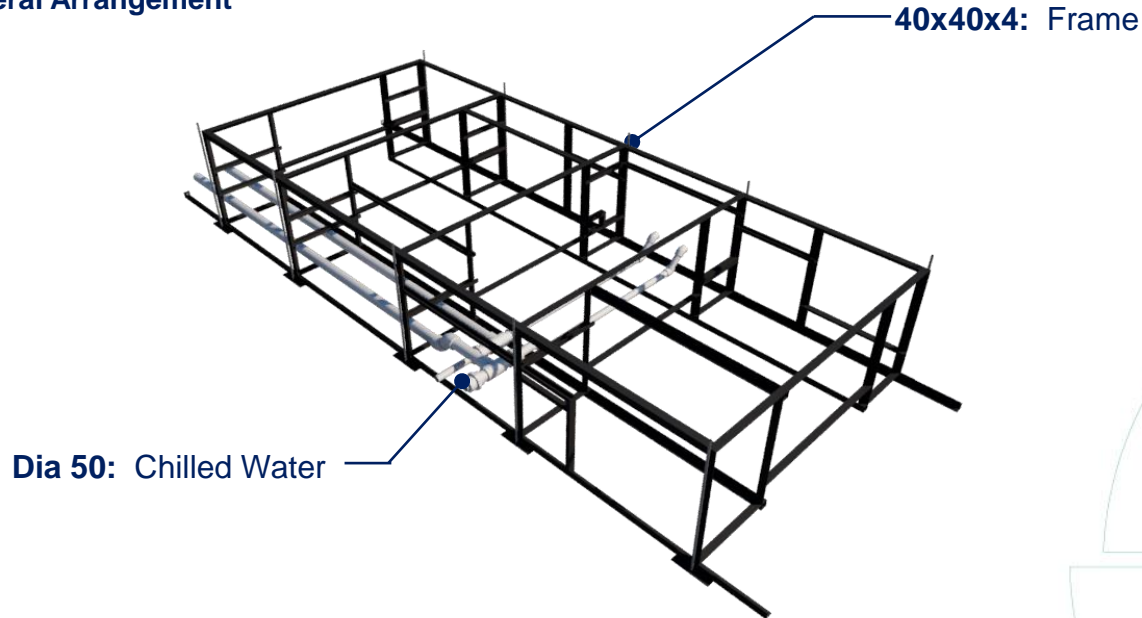
Product Description & Quality Advantage

Module M.C.1.006
Services & General Arrangement



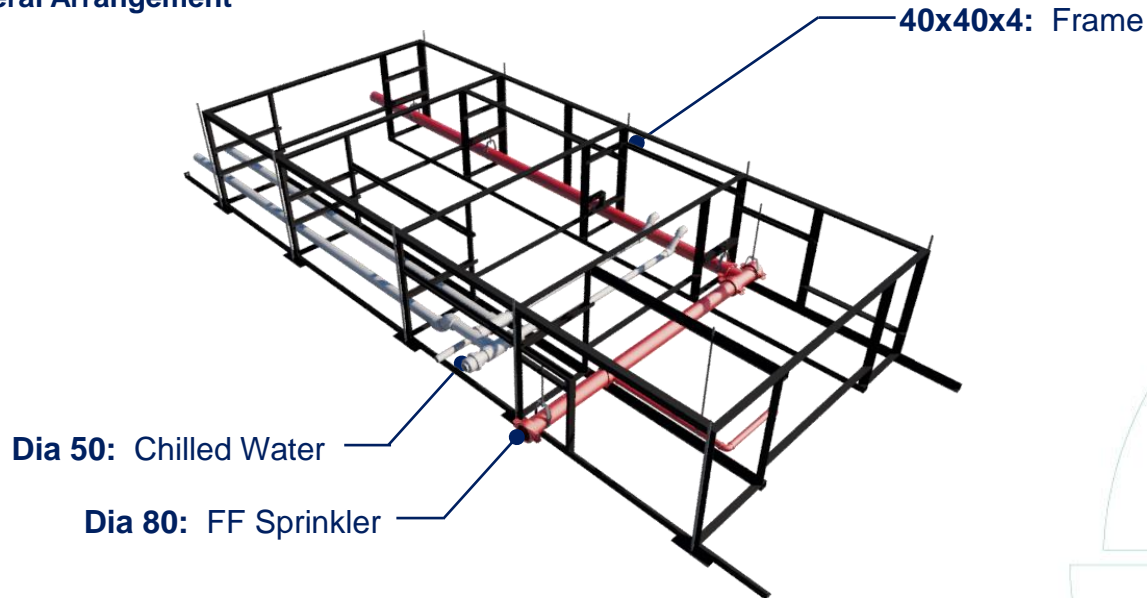
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Module M.C.1.006
Services & General Arrangement



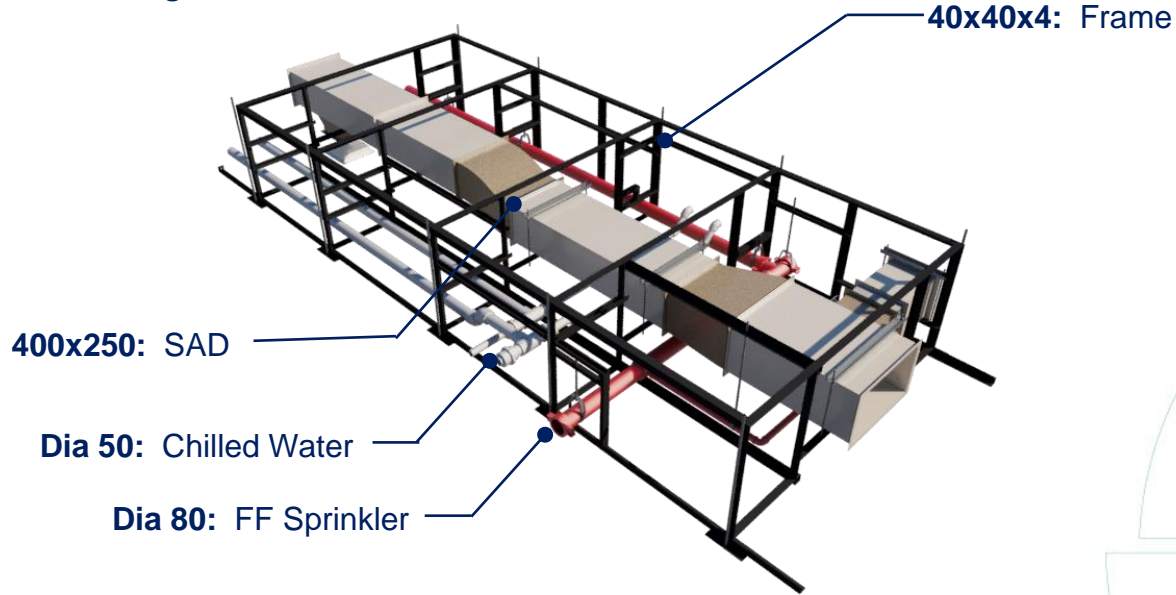
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Module M.C.1.006 Services & General Arrangement



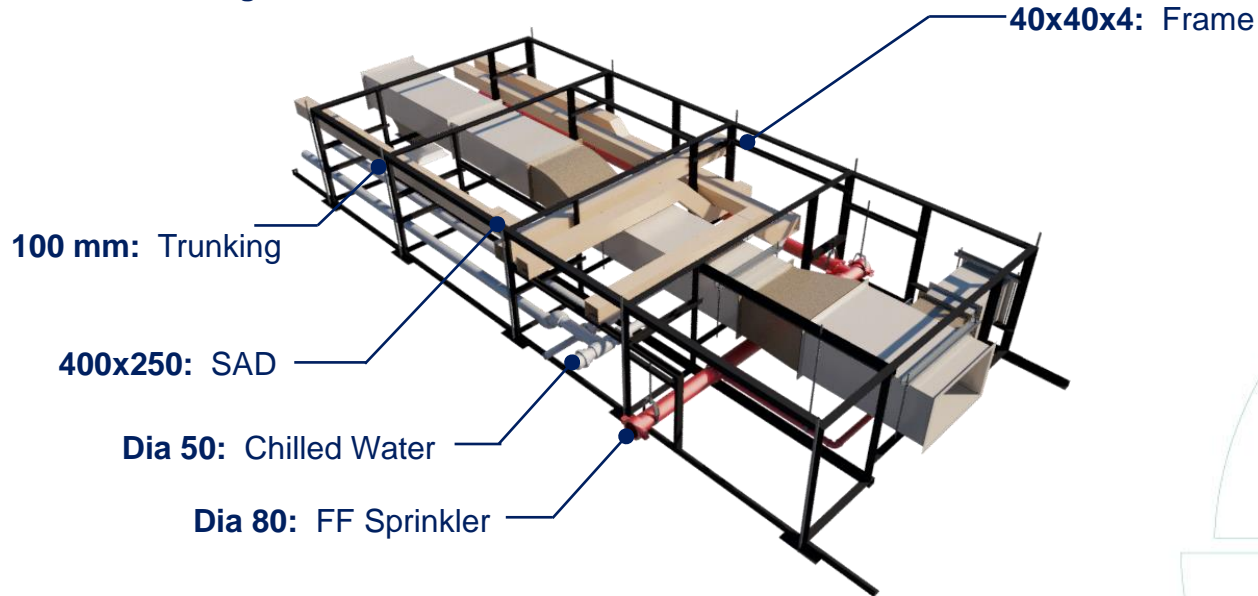
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Module M.C.1.006 Services & General Arrangement



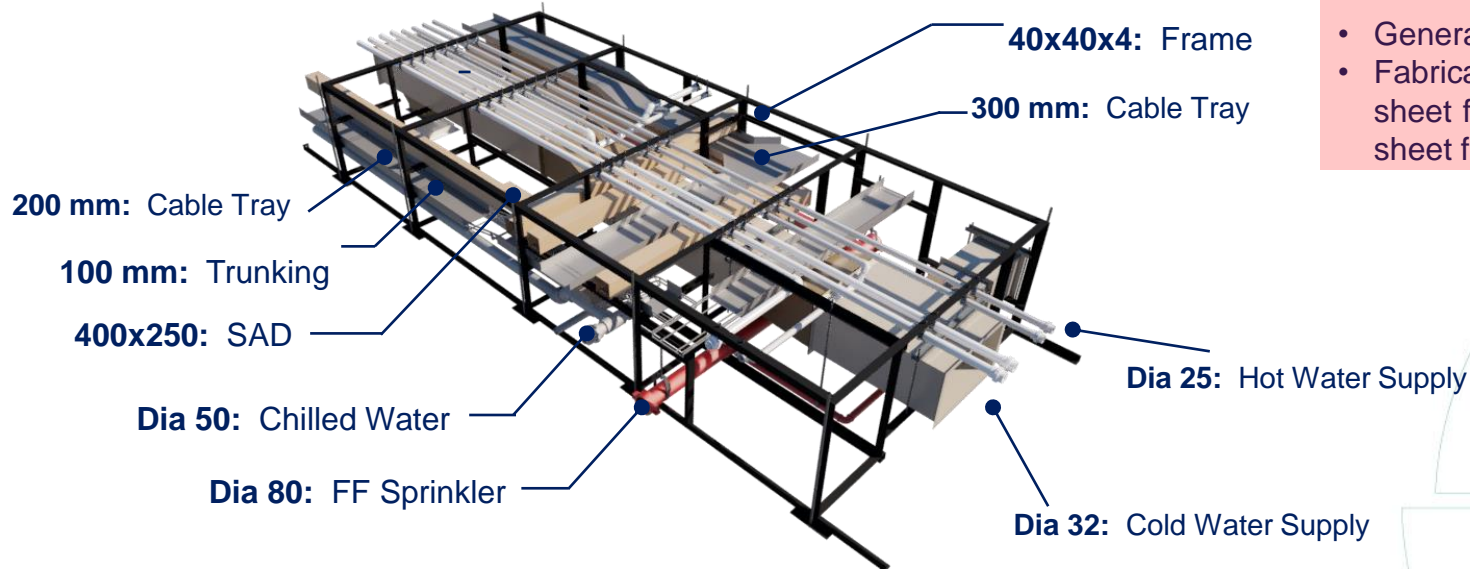
Product Description & Quality Advantage

Module M.C.1.006 Services & General Arrangement



Product Description & Quality Advantage

Module M.C.1.006 Services & General Arrangement



Digitally Designed Module Fabrication Sheets

- Generated in BIM
- Fabrication Sheets. One sheet for each service + One sheet for Frame Design

Benefits & Advantages

Benefits of MEP Prefabrication



- Improved on-site efficiency
- Improvements in Quality
- Less Labour Needed
- Less Expensive – Competitive advantage
- Increases Productivity
- Vision 2030 Compliant
- Good Saudization Potential
- Reduced on-site storage
- Reduced impact of site activity
- Reduced on-site materials handling
- Improvements in Health & Safety
- Quicker and more efficient installation
- Reduced materials wastage

Traditional VS Prefab.

Traditional MEP Construction

-  **Cost:** Traditional construction is generally more expensive
-  **Quality:** Site conditions has an effect on quality
-  **Scalability:** Traditional building & labor is very difficult to scale
-  **Labour:** Traditional construction requires huge amounts of labour
-  **Time:** Traditional construction always takes much longer

MEP Prefabrication

-  **Cost:** MEP Prefabrication is generally less expensive
-  **Quality:** Factory conditions allow for much better quality
-  **Scalability:** A factory can produce 10,000 MEP modules / year
-  **Labour:** MEP Prefabrication can save 45-60 % labour
-  **Time:** MEP Prefabrication is considerably quicker



THANK YOU

