

WHAT ARE THE FACTORS AFFECTING BIM ADOPTION?

BIM ADOPTION AROUND THE WORLD HAS EVOLVED THE WAY CONSTRUCTION PROJECTS WERE CARRIED OUT IN PRIMITIVE TIMES; IT HELPS IN 3D REPRESENTATION OF COORDINATED BUILDING MODEL FROM ASPECT OF DIFFERENT DISCIPLINES.

LESS THAN 5% COUNTRIES AROUND THE WORLD HAVE ADOPTED BIM IN THEIR CONSTRUCTION PROJECTS AND HENCE BELOW ARE THE FACTORS THAT LIMIT THE BIM ADOPTION.

RESISTANCE IN CHANGING HABITS

THIS IS DUE TO MANY PROFESSIONALS NOT BEING WILLING TO ACCEPT BIM TECHNOLOGY, PREFERRING THEIR ESTABLISHED HABITS OVER LEARNING NEW WORKFLOWS.



LIMITED BUDGETS

THIS IS DUE TO THE HIGH IMPLEMENTATION COST, AS WELL AS THE EXPENSE OF RECRUITING EXPERTS AND TRAINING STAFF TO GAIN THE NECESSARY SOFTWARE KNOWLEDGE.



LIMITED RELEVANCY

VERY LIMITED CONSTRUCTION PROFESSIONALS WOULD FEEL THAT BIM ADOPTION IS RELEVANT IN THE INDUSTRY FOR ITS APPLICATIONS AND PROVIDE EFFECTIVE GROWTH IN THE INDUSTRY.

INTEROPERABILITY ISSUES

SHARING AND STORING OF A HUGE DATABASE IS REQUIRED IN CONSTRUCTION PROJECT AMONG DIFFERENT CONSTRUCTION PROFESSIONALS. IN SHARED FORMATS SUCH AS IFC AND COBIE IS USED TO EXCHANGE INFORMATION BUT BIM ADOPTION HAS NOT LINKED IN WITH STANDARDS THAT EXCHANGE THE DATA.



AVOIDING STANDARDS

STANDARDS ARE ESSENTIAL TO FOLLOW FOR ALL THE STAKEHOLDERS IN THE CONSTRUCTION INDUSTRY TO IMPLEMENT BIM ADOPTION TO ATTAIN ACCURATE PROCESS AND COLLABORATION AMONG THE DATA TO BE ACCESSED BY THE SUPPLY CHAIN.

