

VIRTUAL CONSTRUCTION STUDIO

BUILDING THE FUTURE WITH
DIGITAL TECHNOLOGIES



DOMOLANDES
| sustainable construction - business & innovation |

VIRTUAL CONSTRUCTION STUDIO

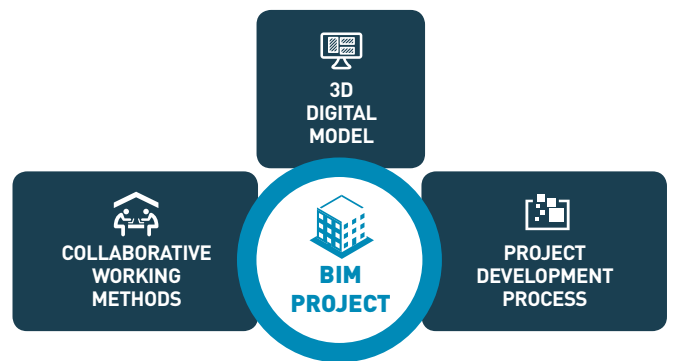
THE DIGITAL TRANSITION HAS ALREADY STARTED

The construction sector is experiencing profound changes pushed by sustainable constraints and latest digital innovations. Facing challenging deadlines, complex projects and reduced budgets, it is crucial for construction players to learn how to work differently!

This is why the Virtual Construction Studio was designed and why it is available to all construction professionals. It's a place dedicated to new technologies applied to construction, and more particularly for Building Information Modeling approach.

BIM (R)EVOLUTION IN WORKING METHODS

BIM is above all a major evolution that makes digital technologies essential to construction. This is a new way to approach the design, construction and operation of a building and every stakeholder can benefit from the overall improvements brought by BIM.



BIM : ADVANTAGES WHICH MAKE THE DIFFERENCE



IMPROVING THE DESIGN

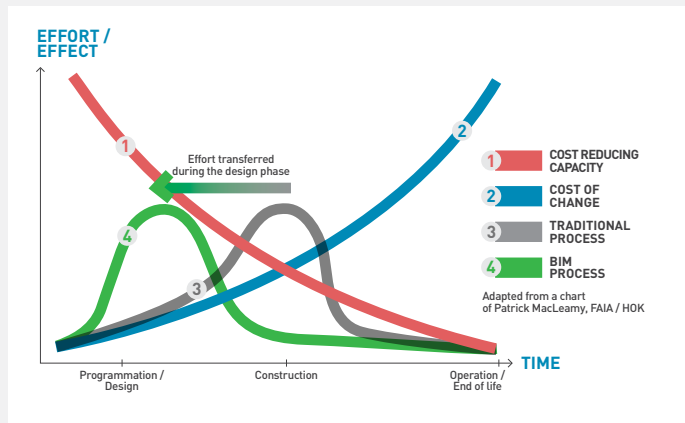


IMPROVING THE CONSTRUCTION



IMPROVING THE OPERATION

Tools made for anticipation, decision-making support, information sharing and reduction of costs.



Anticipate in the design phase for a better, faster & cheaper construction

Choosing BIM is as logical as "QED²"



LEARN MORE ABOUT BIM



QUALITY



ECONOMY



DEADLINES



DEVELOPMENT

VIRTUAL CONSTRUCTION STUDIO

ENTER THE DIGITAL CONSTRUCTION AGE

The Virtual Construction Studio, located at DOMOLANDES technology park, combines the best of digital technologies, to help you design, coordinate and visualize each of your projects.

VIRTUAL REALITY IS RIGHT HERE

The Virtual Construction Studio is a 150m² laboratory equipped with digital tools for virtual immersion and with most innovative 3D modeling softwares including an HD video projector, 3D visualization and active stereo 4 x 2.5m widescreen, a motion capture system, a wide LED touchscreen as well as the latest workstations and BIM softwares. **This unique and collaborative place is accessible to all construction professionals thanks to the support provided by DOMOLANDES' staff.**



IMMERSION, 3D living experience for the Virtual Construction Studio

4 COMPLEMENTARY FUNCTIONAL AREAS



COLLABORATIVE AREA

In this place, you can exchange and share information about your projects. It enables the pooling of data and ensures a perfect coordination between the stakeholders.



INTERACTIVE TOUCHSCREEN AREA

You can analyze, exchange, go further on the development of a project and ensure the consistency of the information.

PRESENTATION AREA

It offers everyone the best conditions to share ideas and highlight your projects.



IMMERSIVE AREA

The perfect place to experience your project from the inside, plan its development and anticipate any potential constraints.



“ Take the right decisions and improve future building operations by using virtual reality. ”

THE SERVICES AVAILABLE AT THE VIRTUAL CONSTRUCTION STUDIO

USING THE BEST OF DIGITAL TECHNOLOGIES TO LEVERAGE YOUR PROJECTS



OPTIMIZING YOUR CONSTRUCTION PROJECTS

From design to pre-construction or through the immersion in your future buildings ... Take all the advantages of the Virtual Construction Studio and its innovative tools to better visualize and develop your projects.



IMMERSION

ARE YOU A DESIGNER OR A FUTURE USER WANTING TO EXPERIENCE YOUR FUTURE BUILDING ?

The virtual reality makes it possible to «visit» a building before it is built. Immersion technologies enable you to visualize quite clearly the future realization, to detect at a very early stage any crucial steps, make your decision or simply make some changes on your virtual model.



DESIGN

ARE YOU AN ARCHITECT OR A PROJECT MANAGER?

The Virtual Construction Studio offers you coordination and decision-support tools. Thus you can synthesize all your data, organize project review meetings and share your different scenarios.



PRE-CONSTRUCTION

ARE YOU A PROJECT MANAGER OR A BUILDING CONTRACTOR WANTING TO ANTICIPATE, PLAN AND COORDINATE THE ORGANIZATION OF A CONSTRUCTION SITE?

Thanks to the tools available at the Virtual Construction Studio, you can better prepare and control your jobsite, while reducing costs and accelerating construction delivery.



KEY FACTORS

A FULL-SCALE VIEW OF THE PROJECT

A VIRTUAL IMMERSION IN OPERATION

A SUPPORT TO USE NEW METHODOLOGIES

POWERFUL COMPUTER TOOLS TO OVERCOME TECHNICAL LIMITS

A FACILITY DESIGNED TO HELP THE DIGITAL TRANSFORMATION OF COMPANIES

AN OPEN ACCESS TO LATEST DEVELOPMENTS ABOUT DIGITAL TOOLS AND METHODS



BOOST YOUR SKILLS

Basic, ongoing or immersive construction training: the Virtual Construction Studio allows you to get familiar with the new digital technologies.

BASIC TRAINING

—
HOSTING YOUR PRACTICAL TEACHING GROUPS

ONGOING TRAINING

—
HOSTING DISCUSSION SESSIONS BETWEEN PROFESSIONALS ABOUT REAL CASE STUDIES

IMMERSIVE CONSTRUCTION TRAINING

—
SITUATION SIMULATION AND GESTURE LEARNING BY USING IMMERSIVE TOOLS

KEY FACTORS

IMMERSIVE SERIOUS GAMES

EDUCATIONAL CONTENTS BASED ON REAL CASE STUDIES

AN INNOVATIVE PLACE WHERE YOU CAN SHARE YOUR EXPERIMENTS

ADVANCED TECHNOLOGICAL TOOLS TO SHOW YOUR EDUCATIONAL CONTENTS



IMAGINE THE DIGITAL TOOLS OF TOMORROW

Since tomorrow starts today, The Virtual Construction Studio offers you a living lab for you to use and experiment your developments. It will help you design and improve the future digital tools directly linked with the real needs of the construction industry.

NEW DIGITAL TOOLS

—
TESTING AND ENHANCING TOOLS UNDER DEVELOPMENT

TECHNOLOGY TRANSFER

—
SUPPORTING THE INTEGRATION OF THE NEW TOOLS IN THE CONSTRUCTION ECO-SYSTEM

KEY FACTORS

HIGHLIGHT AND SHOW YOUR NEW DIGITAL TOOLS

BOOST THE TRANSFER OF NEW TECHNOLOGIES INTO NEW SERVICES OR BUSINESSES

EXPERIMENT TECHNOLOGIES UNDER DEVELOPMENT ON REAL PROJECTS



DOMOLANDES TECHNOLOGY PARK

SUPPORTING CONSTRUCTION COMPANIES TOWARDS SUCCESS

Located in the heart of the Atlantisud business park in the South West coast of France, **the DOMOLANDES complex is a technology park dedicated to create or improve businesses using sustainable and digital construction.**

DOMOLANDES, THAT'S ALSO ...



A BUSINESS INCUBATOR
AND
A BUSINESS CENTER



FACILITIES FOR
TRAININGS,
CONFERENCES AND
PROFESSIONAL
EVENTS FROM THE
CONSTRUCTION
INDUSTRY



THE ORGANIZATION
OF THE NATIONAL
COMPETITION
FOR SUSTAINABLE
CONSTRUCTION
STARTUPS



FUNDS FOR FINANCING
START-UP COMPANIES
WITH HIGH POTENTIAL



MANAGEMENT OF
THE LOCAL CLUSTER
TOWARDS SUSTAINABLE
CONSTRUCTION



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**VIRTUAL
CONSTRUCTION
STUDIO**

is a project
supported by:

