BIMPLEMENT FIT 2.0 CONTAINER MOBILE TRAINING

BIMplement

BIMPLEMENT SERVICE CONCEPT

BIMPLEMENT FIT 2.0 CONTAINER MOBILE TRAINING

FORMATION INTÉGRÉE AU TRAVAIL 2.0

When Building Training integrates digital issues

- FIT = Onsite and hands-on training
  Focus on airtightness practice to improve airtightness implementation – (already existing)

- FIT + BIMplement = Integrating digital issues (under development)
  To integrate on-site BIM use training of the previous presentation

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An innovative mobile training platform, adapted to the construction industry challenges : **improve energy efficiency through a better airtightness implementation**

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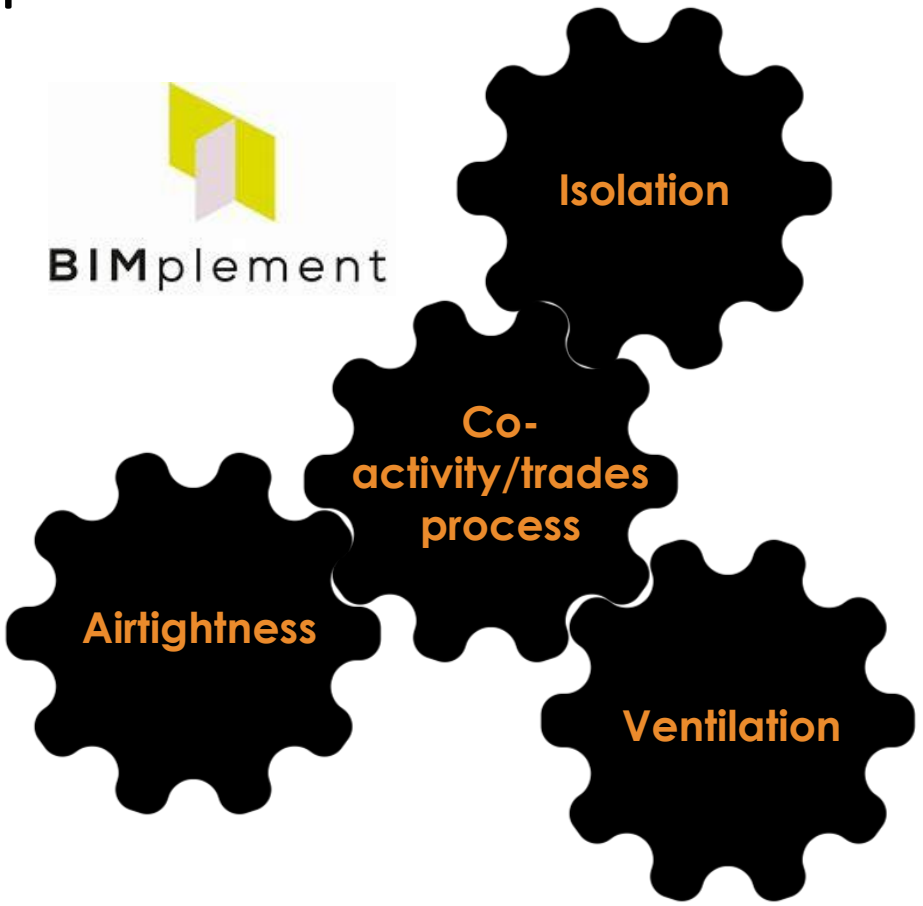

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Training content – FIT container

- **Project**
  - Train blue workers on the construction site
  - Topics : airtightness and ventilation
  - Tools : container equipped with full-size pedagogical work place and mock-ups where site workers can get a training and exercises themselves on different solutions
    In addition, a BIM model of the container is presented for the trainees to make the link between real site work and 3D BIM model.

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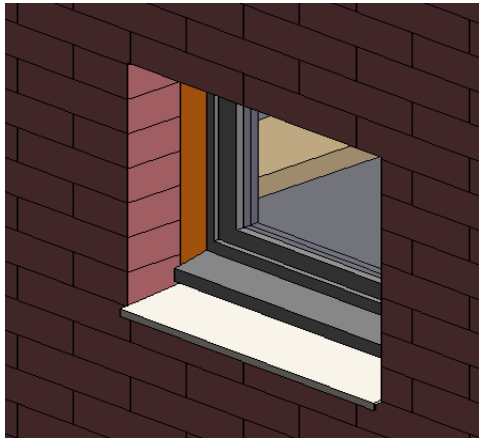

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Feedback, post training

- All training sessions realized along with the “original” container are done early enough for the building to be completed within the BIMplement schedule.

- Most of these projects specifications ask for a compulsory blower-door test upon completion. For these projects, a direct feedback is realized with all stakeholders, in particular clients and building companies. Module 4 is dedicated to the presentation of this feedback and blower door test results to the site operators, and thus, confirm the skill improvement.

- Blower door tests have 3 or 4 times better results than similar buildings where no container training have been performed

- Clients (public authorities, private stakeholders….) ask therefore for this training

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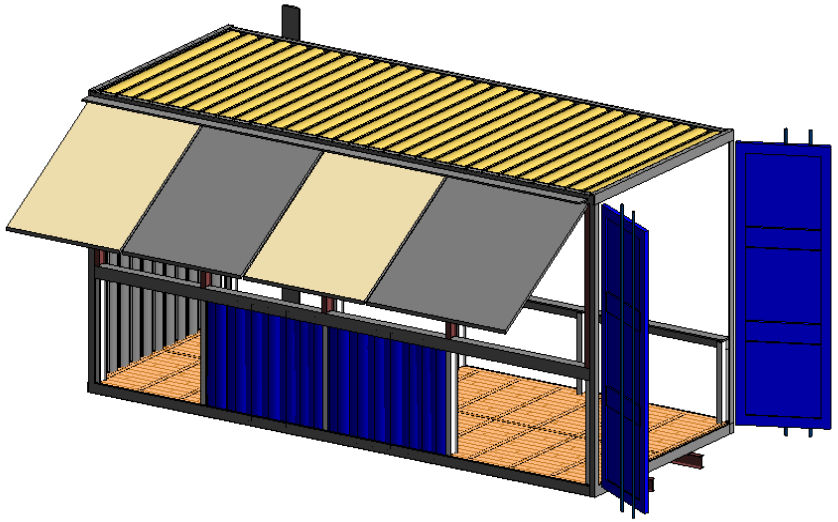
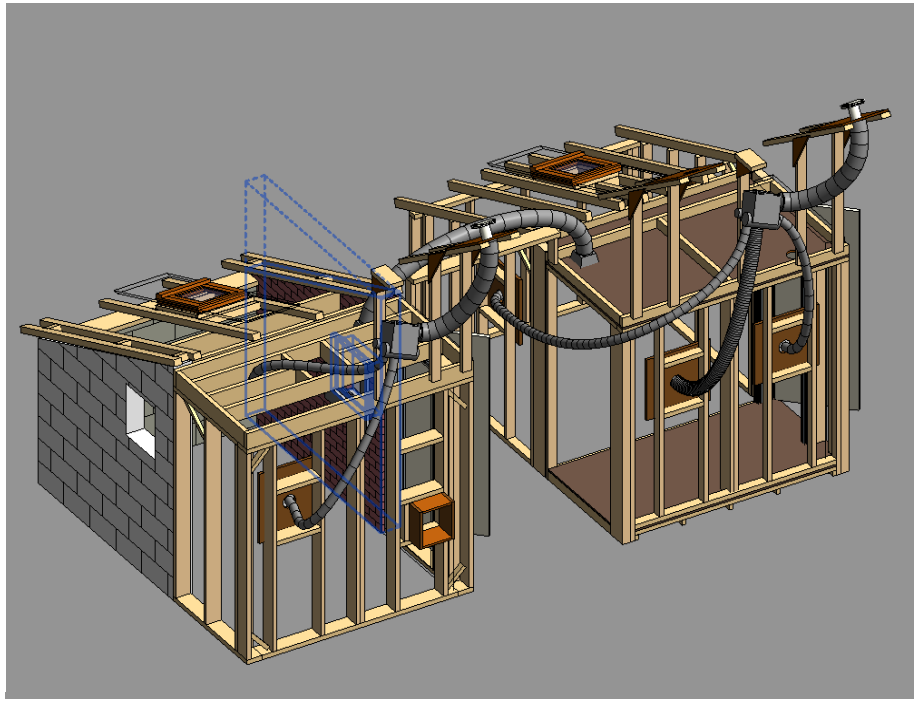
FORMATION INTÉGRÉE AU TRAVAIL 2.0

BIMplement + FIT container mobile training
(under development)

BIMplement

The original training platform, adapted to digital challenges of the construction sector: FIT container fully modelled under **Revit**





BIMplement

4 short modules (4 to 7 hours each) sequenced on-site to complete FIT trainings

MODULE 1

(groupe of 6 trainees):

BIM awareness

Beginning of the Project

MODULE 2

(Group of 6 trainees):

basics about nZEB and airtightness performance, BIM model, on-site management tools.

During the on-site project

MODULE 3

(Group of 6 trainees):

BIM as an on-site management tool.

airtightness complementary approaches (BIM & practice)

During the on-site project.

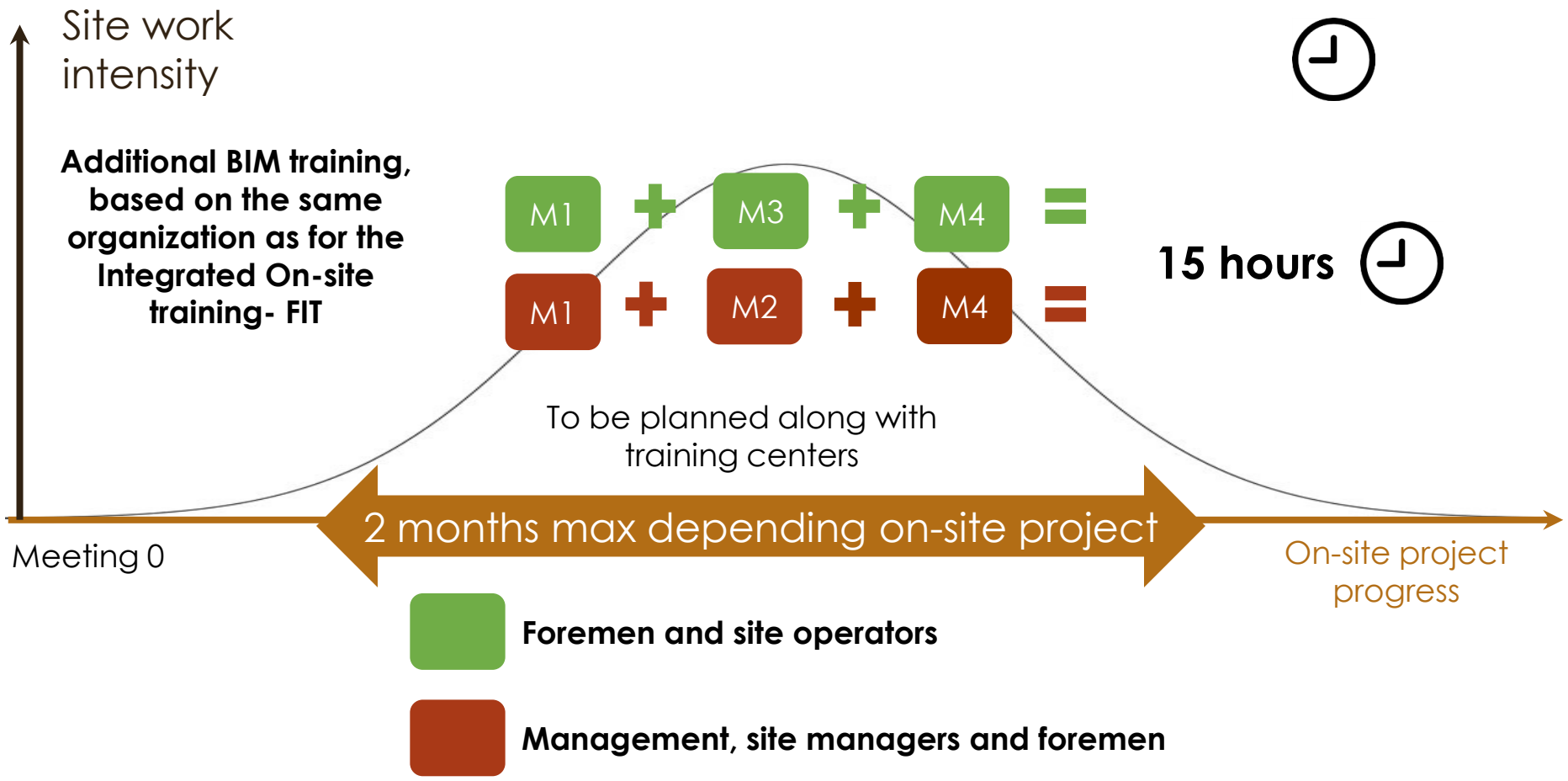
MODULE 4

(Group of 6 trainees):

assess the work quality ***at the end of the Project.***

BIMplement

4 short modules sequenced on-site to complete FIT trainings



BIMplement

4 short modules sequenced on site

MODULE 1

4 hours	Objectives	What educational tools ?	Target
MODULE 1 (groupe of 6 trainees): BIM awareness *Beginning of the project*	- BIM process mapping - Understand the importance of a BIM model - Visualize the performance link between a site model and energy issues	- BIM Building learning Models - Using and manipulating a viewer - Slide presentations	Foremen Site managers/ Site operators

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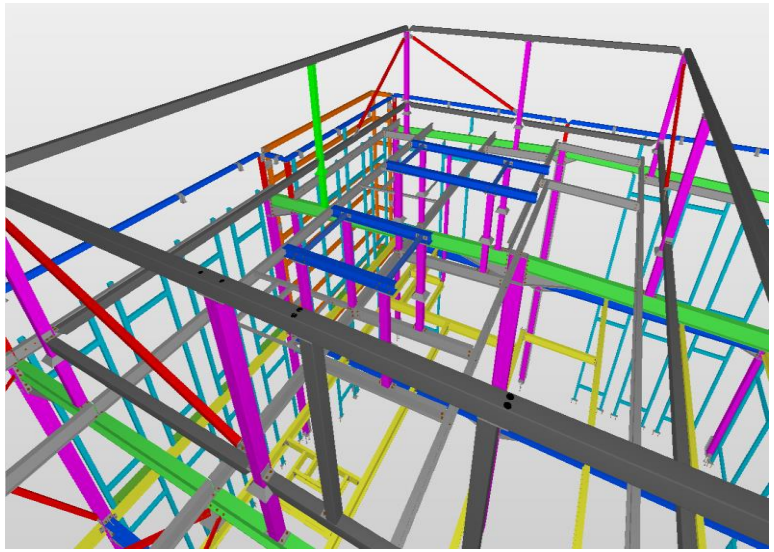
SUSTAINABLE ENERGY WEEK



BIMplement

4 short modules sequenced on site

MODULE 2

7 hours

Objectives

What educational tools ?

Target

MODULE 2

(Group of 6 trainees):
basics about nZEB and airtightness performance,
BIM model, on-site management tools

During the on-site project

- Implement a technical monitoring of the construction of an airtight envelop
- Communicate about an nZEB project
- Design and improve "airtight architectural details".

- Interest and qualities of IFC exports
- Anticipating the work done on Practee Mobile / Stationary container
- Know how to use TEKLA BIM Sight and associated documents
- Anticipating the cross-cutting points of the trades
- Bringing your business model to life

Foremen and site managers

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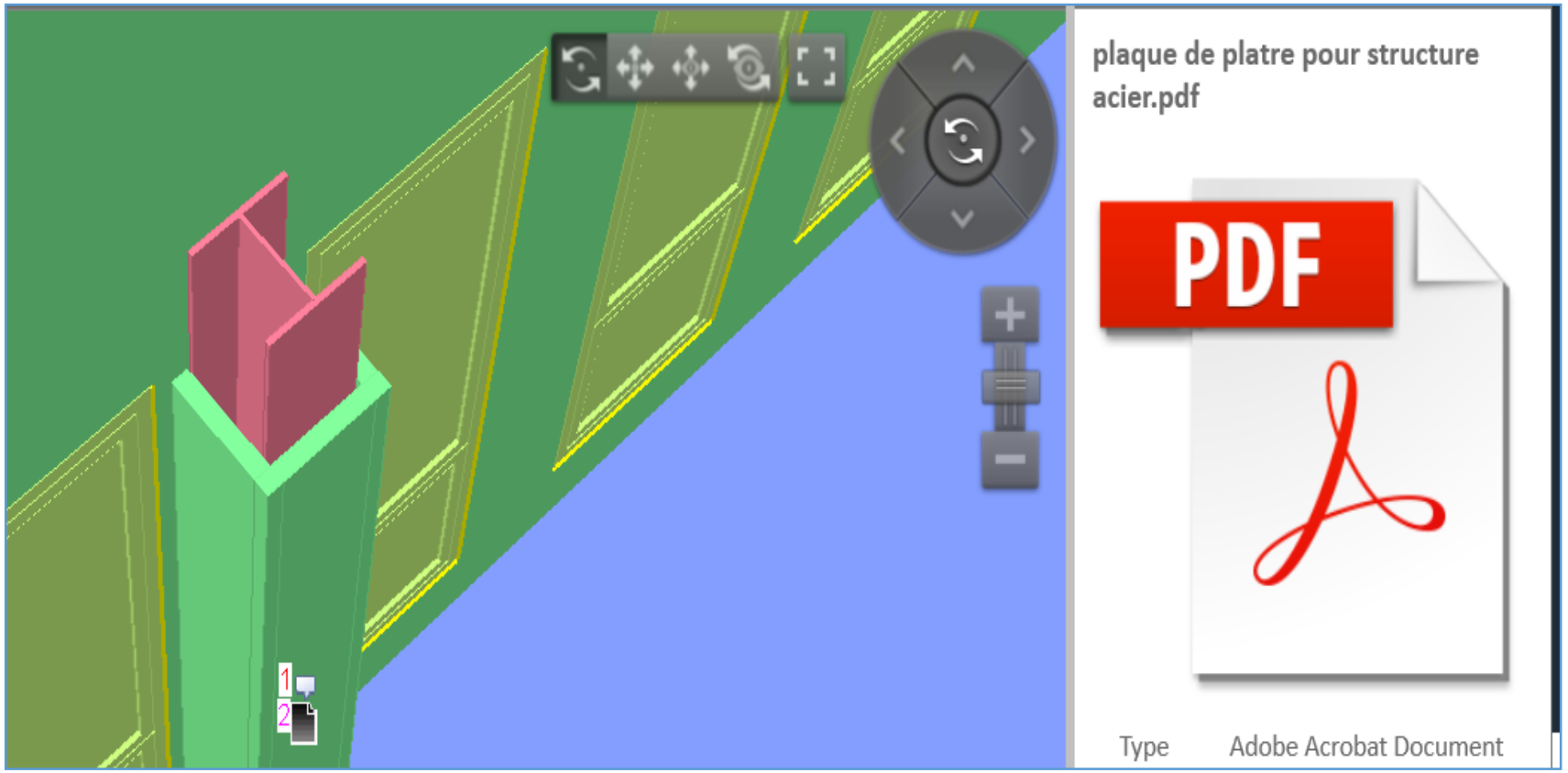
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BIMplement

4 short modules sequenced on-site

MODULE 3

7 hours

MODULE 3	Objectives	What educational tools ?	Target
(Group of 6 trainees): BIM as an on-site management tool airtightness complementary approaches (BIM & practice) *During the on-site project*	- Acquire and validate good practices - Learn how to use on site a BIM model with a tablet / smartphone for one's batch and how to archive evidence of good implementation	- Take ownership of trade model and its expectations - Apply during the training module - Practical work self-check - Implementation on-site - Digital recording of evidences	Site operators, foremen,

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SUSTAINABLE ENERGY WEEK

4 short modules sequenced on-site

MODULE 4

4 Hours

Objectives

What educational tools ?

Target

MODULE 4 (Group of 6 trainees): assess the work quality ***at the end of the project***	- Learn how to use a collaborative platform - Assess the appropriation of business models and of associated evidence of good implementation - - Assess the improvement of air tightness and ventilation level - - Learn the appropriate technical solutions to achieve the desired objective	**Project model** **Amended on-site project model**	site operators, foremen, site manager

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Additional training sessions can be implemented in the “original” container to get to a higher airtightness level through a hands-on training.

Conclusions

- Hands on training already performed on over 20 sites has proved its efficiency especially regarding airtightness issues

- The new BIMplement+ FIT training aims to merge both trainings : hands on training and on-site use of BIM models

- Ensure the quality of the construction final result and matches with the expected design.

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