

Kick-Off Meeting 24-25 april Gothenburg

Total Concept

WP 3 National Pilot projects

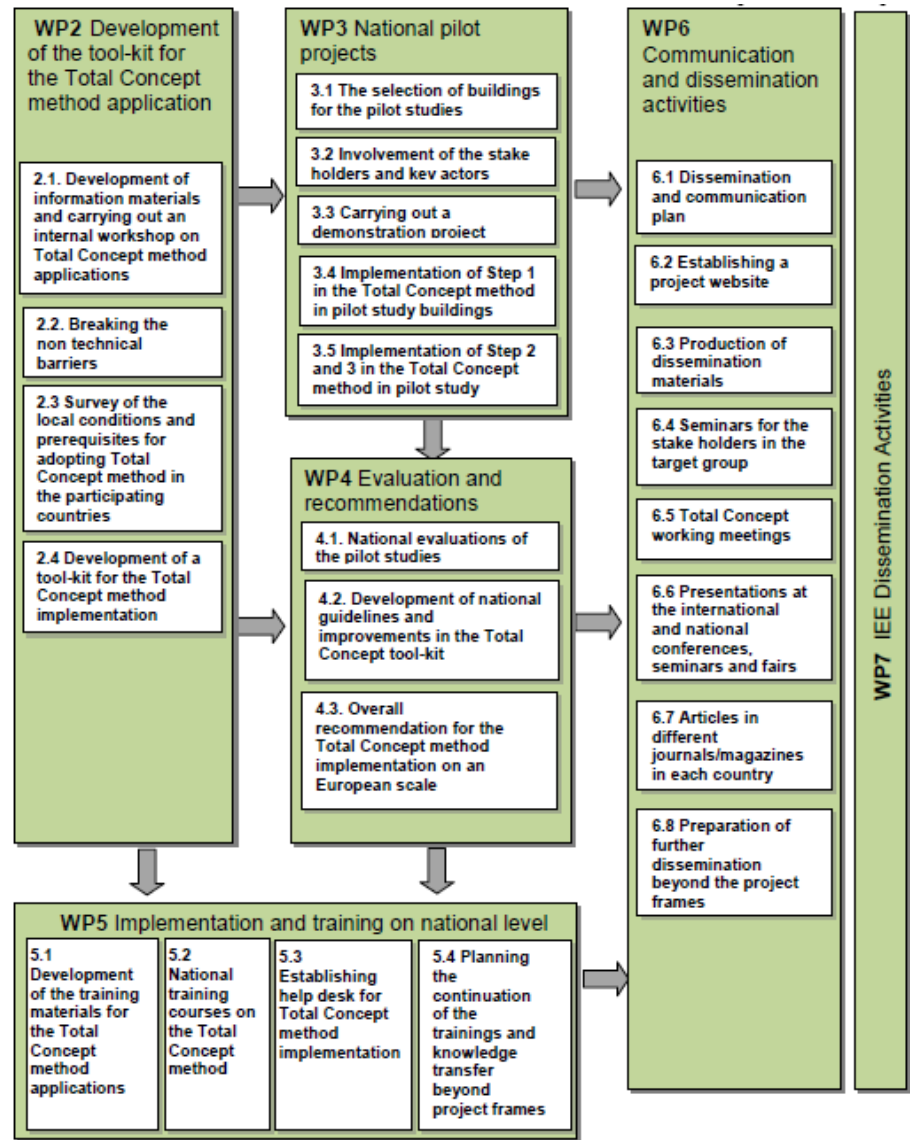
WP-leader SINTEF Byggforsk

WP 3 Overview

- Implement and demonstrate the Total Concept method through pilot studies
- Implement step 1 in 2-4 buildings in each country
- Implement step 2 and 3 in 1-2 buildings in each country

Tasks in WP 3

- 3.1 The selection of buildings for the pilot studies
- 3.2 Involvement of the stakeholder and key actors
- 3.3 Carrying out a demonstration project
- 3.4 Implementation of Step 1 in the Total Concept method in pilot study buildings
- 3.5 Implementation of Step 2 and 3 in pilot study buildings



Task 3.1 The selection of buildings for the pilot studies

Selection criteria

- Portfolio of buildings.
- Provide within the timeframe
- High ambitions of reaching nearly zero energy-buildings.
- The type of the building.
- The complexity of the building and its technical systems. In order to keep the time frames and budget of this project it will be an advantage to include buildings with average complexity.
- The existing energy performance of the building.
- The existing functional performance of the building.

Task 3.2 Involvement of the stakeholders and key actors

- Identify stake holders and key actors at an early stage
- Each project partner has the responsibility to choose the key actors
- Supervision of the work
- The selected stakeholders and key actors have an important role in the later dissemination phase of the TOTAL CONCEPT project (Work package 5 and 6).

Task 3.3 Carrying out a demonstration project (CIT)

- Transfer of knowledge from previous experiences
 - Carry out Step 1 on 1 demonstration project (Sweden)
 - Use of tool kit

Task 3.4 Implementation of Step 1 in the Total Concept method in pilot study buildings

Step 1 is divided into the following tasks:

- Gather basic information about the building and compiling technical data.
- Energy audit and identification of energy saving measures.
- Energy calculations.
- Investment cost estimations.
- Profitability calculations and the creation of an action package.
- Reporting and presentation of proposals for measures to be carried out.

Task 3.5 Implementation of Step 2 and 3 in pilot study buildings

- 1-2 buildings per country
- Implementation of the formed action package in practice

Step 2 in the Total Concept working methodology includes:

- Planning and designing the measures
- Construction work and installations
- Functional performance checks

Step 3 is divided into the following tasks:

- Measuring energy use
- Checking profitability results

Time schedule

Phase / Duration of the action (in months)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
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Project meetings ^{a)}	x			x					x					x							x															x		
Delivery month (partners)				D3.1									D3.2									D3.3							D3.4									
Project deliverables (WP-leader)						D3.1								D3.2												D3.3										D3.4		

Deliverables

Deliverable	Delivery month (partners)	Project meeting nr	Delivery	Delivery Month (WP-leader)
D3.1 Internal report on the selected buildings for the pilot studies and identified stakeholders and key actors for the Total Concept pilot implementation.	4	2	Template filled in for the 2-4 selected pilot studies from each country. Will be presented at the meeting	6
D3.2 Reports on the results of implementation of Step 1 in the Total Concept working method in the pilot buildings. 1 publishable fact sheet for each pilot study building in English and native language and 1 detailed report in native languages of each participating country.	9 (CIT)	3	CIT will present the implementation of step 1 in demonstration project.	
D3.2 Reports on the results of implementation of Step 1 in the Total Concept working method in the pilot buildings. 1 publishable fact sheet for each pilot study building in English and native language and 1 detailed report in native languages of each participating country.	13	4	Fact sheet of implementation of step 1	14
D3.3 Internal report on the results of implementation of Step 2 in the Total Concept working method in the pilot buildings. In English	21	5		25
D3.4 Reports on the results of the implementation of the Total Concept working method in the pilot study buildings. 1 publishable fact sheet for each pilot study building in English and native language and 1 detailed report in native languages of each participating country.	27	6		34

Budget

Partner	Hours
CIT	1 300
Aalborg Universitet	300
Ramboll Group A/S	950
Stiftelsen SINTEF	1 445
State Real Estate Ltd.	625
Danish Association of Construction Clients	75
Estonian Society of Heating and Ventilation Engineers	800
Swedish Construction Clients	75
Bionova Ltd.	1 100
Total	6670

Responsibility of the partners

CIT	<ul style="list-style-type: none"> - Leader of the task 3.3 - Supports the selection of 2-4 pilot studies for Step 1 in Sweden and provides input to the WP leader for D3.1 (Task 3.1) - Supports the selection of 1-2 existing for Step 2 and 3 implementation in Sweden (Task 3.1) - Involvesthe external stakeholders on national level (Task 3.2) - Select 1 demonstration project of Step 1 and coordinate the knowledge transfer (Task 3.3) - Coordinates the demonstration project and knowledge transfer (Task 3.3) - Implement the Step 1 in the selected demonstration project in Sweden (Task 3.3) - Implement the Step 1 in the selected other pilot study buildings in Sweden (Task 3.4) - Coordinate the implementation of the step 2 and 3 in the Total Concept method in the selected 1-2 pilot study buildings in Sweden (Task 3.5) - Reports the results of step 1 in the pilot study buildings in Sweden (Task 3.4 D3.2) - Reports the results of Step 2 in the pilot study buildings in Sweden, provides input to the WP leader for D3.3 (Task 3.4) - Reports the overall results of the Total Concept method application in the pilot study buildings in Sweden (Task 3.5 D3.4) 	3.1, 3.2, 3.3, 3.4, 3.5
SBI/AAU, EKVÜ, RAMBØLL, Bionova	<ul style="list-style-type: none"> - Supports the selection of 2-4 pilot studies for Step 1 iand provides input to the WP leader for D3.1 (Task 3.1) - Supports the selection of 1-2 existing for Step 2 and 3 implementation (Task 3.1) - Involvesthe external stakeholders on national level (Task 3.2) - Implement the Step 1 in the Total Concept method in the selected pilot study buildings in their country (Task 3.4) - Coordinate the implementation of Step 2 and 3 in the Total Concept method in the selected 1-2 pilot study buildings in their country (Task 3.5) - Reports the results of step 1 in the Total Concept method application in the pilot study buildings in Sweden (Task 3.4 D3.2) - Reports the results of Step 2 in the pilot study buildings in their country, provides input to the WP leader for D3.3, Task 3.4. - Reports the overall results of the Total Concept method application in the pilot study buildings in their country (Task 3.5 D3.4) 	3.1, 3.2, 3.4, 3.5
RAMBØLL, RKAS	<ul style="list-style-type: none"> - Selects 2-4 existing non-residential buildings for the Step 1 implementation of Total Concept method in their country and provides input to the WP leader for D3.1 (Task 3.1) - Selects 1-2 existing non-residential buildings for the Step 2 and 3 implementation in their country and provides input to the WP leader for D3.1 (Task 3.1) - Involves the relevant stakeholders and key actors that are needed for practical work included to the different moments in the Total Concept method and provides input to the WP leader for D3.1 (Task 3.2) - Supports the implementation of Step 1 in the Total Concept method in the selected pilot study buildings in their country (Task 3.4) - Implements the Step 2 and 3 in the Total Concept method in the selected 1-2 pilot study buildings in their country (Task 3.5) - Supports reporting the results of the Total Concept method application in the pilot study buildings in their country (Tasks 3.4 and 3.5 D3.3, D3.4, D3.4) 	3.1, 3.2, 3.4, 3.5
SCC, DACC	<ul style="list-style-type: none"> - Provides input for the selection of 2-4 existing non-residential buildings for the Step 1 implementation of Total Concept method (Task 3.1) - Provides input for the selection of 1-2 existing non-residential buildings for the Step 2 and 3 implementation (Task 3.1) - Assists in involving the external stakeholders needed for practical work included to the different moments in the Total Concept method (Task 3.2) 	3.1, 3.2

First task!

- Selection of the pilot buildings (criterias)
 - Check list
- DP 3.1 Internal report
 - Template