

Table S2. Summary of dynamic matrix of all combinations of interventions.

TYPOLOGY	CLIMATE ZONE	ANTE OPERAM	POST OPERAM			ENERGY CLASS JUMP	COST PER METER SQUARE
Sample building with reinforced concrete frame structure		Energy class	Intervention type	Intervention combination	Energy class	No. energy class jump	€/mq
Late concrete flat roof, low level of insulation; Concrete basement on soil, low level of insulation; Hollow core masonry with hollow bricks, low level of insulation 30 cm thick	A	F	Envelope	COMBO A-1	E	1	61,93
				COMBO A-2	E	1	81,51
				COMBO A-3	D	2	93,87
				COMBO A-4	D	2	113,45
				COMBO A-5	D	2	221,15
				COMBO A-6	D	2	221,48
			Conditioning system	COMBO A-7	D	2	12,13
				COMBO A-8	A2	6	33,95
			Envelope + conditioning system	COMBO A-9	A3	7	95,88
				COMBO A-10	A3	7	115,46
				COMBO A-11	A3	7	223,16
				COMBO A-12	A3	7	242,74
				COMBO A-13	A3	7	127,82
				COMBO A-14	A3	7	147,39
				COMBO A-15	A3	7	255,10
				COMBO A-16	A3	7	274,67
	B	F	Envelope	COMBO B-1	E	1	61,93
				COMBO B-2	E	1	81,51
				COMBO B-3	D	2	93,87
				COMBO B-4	D	2	113,45
				COMBO B-5	D	2	221,15
				COMBO B-6	D	2	240,73
			Conditioning system	COMBO B-7	D	2	12,13
				COMBO B-8	A1	5	33,95
			Envelope + conditioning system	COMBO B-9	A2	6	95,88
				COMBO B-10	A2	6	115,46
				COMBO B-11	A3	7	223,16
				COMBO B-12	A3	7	242,74
				COMBO B-13	A3	7	127,82
				COMBO B-14	A3	7	147,39
				COMBO B-15	A3	7	255,10
				COMBO B-16	A3	7	274,67
	C	F	Envelope	COMBO C-1	E	1	67,32
				COMBO C-2	E	1	86,43
				COMBO C-3	D	2	99,25
				COMBO C-4	D	2	118,36
				COMBO C-5	D	2	229,13
				COMBO C-6	D	2	248,24
			Conditioning system	COMBO C-7	D	2	12,13
				COMBO C-8	A1	5	33,95
			Envelope + conditioning system	COMBO C-9	A2	6	101,26
				COMBO C-10	A2	6	120,37
				COMBO C-11	A2	6	231,14
				COMBO C-12	A2	6	250,25
				COMBO C-13	A2	6	133,20
				COMBO C-14	A2	6	152,31
				COMBO C-15	A3	7	263,07
				COMBO C-16	A3	7	282,18
	D	G	Envelope	COMBO D-1	E	2	236,66
				COMBO D-2	E	2	256,15
			Conditioning system	COMBO D-3	E	2	12,13
				COMBO D-4	C	4	33,95
			Envelope + conditioning system	COMBO D-5	A1	6	105,90
				COMBO D-6	A1	6	125,38
				COMBO D-7	A2	7	235,77
				COMBO D-8	A2	7	255,26
				COMBO D-9	A2	7	140,74
				COMBO D-10	A2	7	160,22
				COMBO D-11	A2	7	270,61
				COMBO D-12	A2	7	290,10
	E	G	Envelope	COMBO E-1	E	2	247,29
				COMBO E-2	E	2	261,14
			Conditioning system	COMBO E-3	D	3	33,95
				COMBO E-4	B	5	111,54
			Envelope + conditioning system	COMBO E-5	B	5	125,38
				COMBO E-6	A1	6	243,49
				COMBO E-7	A1	6	257,33
				COMBO E-8	A1	6	149,29
				COMBO E-9	A1	6	163,14
				COMBO E-10	A2	7	281,24
				COMBO E-11	A2	7	295,09
	F	G	Envelope	COMBO F-1	E	2	247,29
				COMBO F-2	E	2	261,14
			Conditioning system	COMBO F-3	E	2	33,95
				COMBO F-4	D	3	111,54
			Envelope + conditioning system	COMBO F-5	D	3	125,38
				COMBO F-6	C	3	243,49
				COMBO F-7	C	3	257,33
				COMBO F-8	C	3	149,29
				COMBO F-9	C	3	163,14
				COMBO F-10	B	4	281,24
				COMBO F-11	B	4	295,09