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8TH RENAISSANCE MEETING – 10/1/2009 – 10/2/2009



RENAISSANCE ZARAGOZA

WP 2.2 : Monitoring

Focus on specific Monitoring on cooling system in Valdespartera

Juan Carlos Pericás
URBIC Engineering; partner 15



WP 2.2 Monitoring

Focus on cooling system in Valdespartera

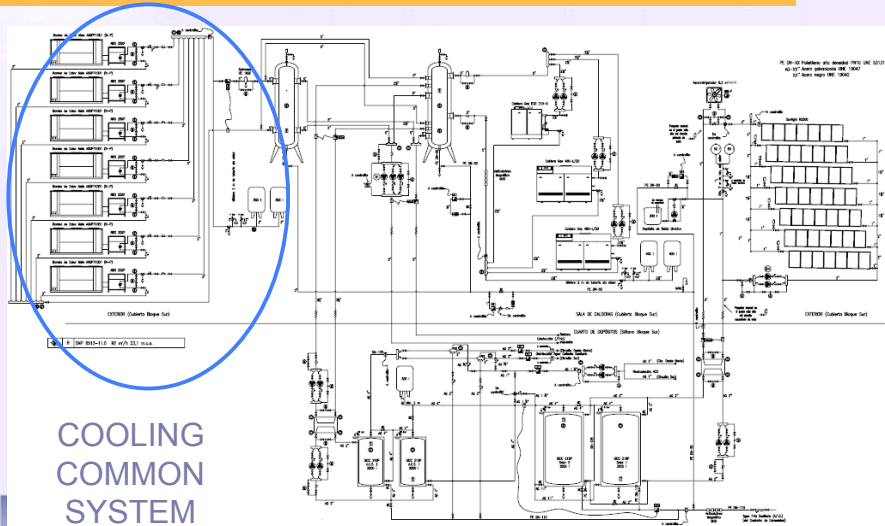
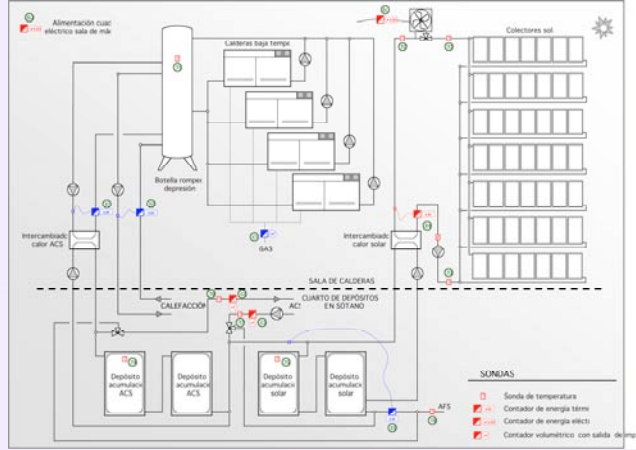


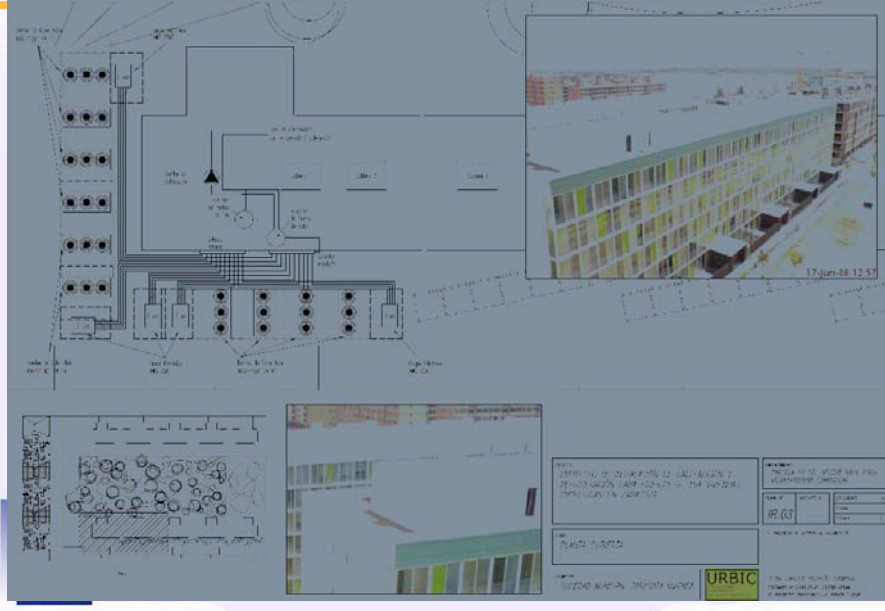
RENAISSANCE
- ZARAGOZA -
SPAIN

- ✚ Monitoring plan for a residential building of 164 dwellings on Valdespartera (Zaragoza).
 - Thermal & electricity consumption of dwellings.
 - Performance of boilers and heat pumps.
 - Pipes losses.
 - Solar contribution to DHW.
 - Total consumption of natural gas and common electrical equipment.



RENAISSANCE es un proyecto del programa CONCERTO co-financiado por la Comisión Europea dentro del Sexto Programa Marco





Según datos publicados por el IDAE:
 0,224 tep energía primaria / MWh , energía final
 0,224 tep = 2,605 MWh .
 Eficiencia eléctrica = 0,383859



EFICIENCIA GHP AISIN		8 HP	10 HP	13 HP	16 HP	20 HP	25 HP
FRIO	Capacidad frigorífica kW	22,4	28	35,5	45	56	71
	Consumo de gas en kW	16	19,7	25,6	30	39,6	53,1
	EER efectivo	1,4	1,42	1,39	1,5	1,41	1,34
	EER equivalente	3,65	3,7	3,61	3,91	3,68	3,48
CALOR	Potencia en calefacción kW	26,5	33,5	42,5	53	67	84
	Consumo de gas en kW	16,3	21,3	26	30,9	39,8	53,7
	COP efectivo	1,63	1,57	1,63	1,72	1,68	1,56
	COP equivalente	4,24	4,1	4,26	4,47	4,39	4,08



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