

10 WAYS A 'SMART' HIU CAN HELP M&E CONTRACTORS REDUCE COST AND RISK IN HEAT NETWORK INSTALLATIONS

By choosing an Evinox 'Smart' HIU, Contractors can take full advantage of other systems and equipment to reduce their costs and improve efficiency.

This is achieved by integrating systems together effectively, including remote connectivity for metering data, billing services, unit set-up and aftersales support.

Here's how we removed over £109K of cost from a recent design & build heat network project

By reviewing the heat network design and maximising systems, infrastructure and equipment already specified for this 128 apartment building, cost-inflation can be removed from the project.

Below are just a few areas identified for cost and risk savings on this 128 apartment project using Evinox's "Smart" heat interface unit system

1 Revisited HIU loadings, eliminating over-sizing (Saved £12,800)

3 Removed redundant commissioning sets and DPCV's on lateral pipework (Saving of £1280)

5 Removed additional pipework plumbing cost for variable top/bottom pipework entry (Saved £50 per apartment = £6400)

7 Removed cost of additional (ENE3) Energy Display by utilising Evinox ViewSmart controller (Saved £25,600)

9 Remote HIU configuration and warranty validation allows up to 30 units / day to be commissioned with NO on site labour charges. Risk of project over run penalty charges reduced!

2 Removed cost of dedicated network for meter readings by utilising BMS communications system (Saved £22,400)

4 Utilised integrated Pre-Payment functionality in HIU – No additional equipment required (Saved around £320 per apartment = £41,000)

6 Heat network testing done remotely (Saved around £1000)

8 UFH floor drying routine is set remotely with no need for site attendance

10 Remote access to units via SmartTalk® Pro provides reduced defects liability cost, risk and site visits; improved customer service (Saves £100 per site visit)



Initial Savings of Over £109K + Ongoing Aftercare Savings

Example Cost Comparison with "Other" HIU System

Example 128 Apartment Complex	QTY	"OTHER" HIU System	ModuSat® HIU System
Heat Interface Unit's	128	£152,829.44	£155,645.10
Full HIU Casing Insulation	128	Included	£6,773.76
Heat Meters	128	£23,104	Included
First Fix Rail	128	£1,006.08	Included
Insulated Enclosure for FFR	128	£2,572.80	N/A
Flushing Bypass & Isolation Valves	128	£5,925.12	£5,184
Warranty Validation (Commissioning/Set-up)	128	£5,760	£7,040
TOTAL FOR HIU'S & RELATED ITEMS		£191,197.44	£174,643.20
Datalogger (Evinox SmartTalk® / M-Bus)	1	£1,250	£3,339
SmartTalk® Aftercare Software License	1	Not Included	FOC*
M-Bus Network Cabling	N/A	£22,400	Not Required**
TOTAL FOR COMMS NETWORK ITEMS		£23,650	£3,339
Programable Thermostat	128	£6,242.56	N/A
ViewSmart Room Controller	128	N/A	£9,792
ENE3 Energy Display Device	128	£57,600	£32,000 (ViewSmart Upgrade)
PT40 TRV's	128	£3,206.40	N/A
TOTAL OPTIONAL ITEMS		£67,048.96	£41,792
Guru Pre-pay Metering Hardware + Installation	128	£73,600	N/A
Pre-payment Valves	128	£2,266.88	Included
Evinox PaySmart® Pre-pay Activation Fee***	128	N/A	£34,688
TOTAL PRE-PAYMENT ITEMS		£75,866.88	£34,688
TOTAL PROJECT COST		£357,763.28	£254,462.20

* 1 user license for duration of the HIU warranty period.

** Assumes use of TCP/IP network, if available.

*** No installation required. Cost can be passed on to managing agent/client (ie no cost to contractor).



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