

INDEX

May-23

Rating Tool	Credit	Description of technique/technology (in alphabetical order)	File name	Page no.
NB v1.2/v2.0	IA1	Bicycle parking system (automatic)	NB Jul 22	P.16
		BIM with RFID and Blockchain	NB Jul 22	P.19
		Chilled beam	NB Jul 22	P.8
		Chilled ceiling	NB Jul 22	P.7
		Daylight autonomy system	NB Jul 22	P.11
		Digital works supervision system	NB May 23	P.14
		Dry river as a sustainable drainage system (SuDS) technique	NB May 23	P.7
		Earth tube free cooling	NB Jul 22	P.6
		Energy metering inside residential flats	NB May 23	P.11
		GPS concrete truck tracking system	NB May 23	P.15
		Green lease	NB May 23	P.13
		Hybrid solar panels	NB Jul 22	P.17
		Hybrid ventilation	NB Jul 22	P.14
		MiC (Modular integrated construction)	NB Jul 22	P.12
		Occupant engagement platform - residential buildings	NB May 23	P.10
		Pinnacle air handling system	NB Jul 22	P.9
		Porous drain covers	NB May 23	P.6
		Smart glass / dynamic glass	NB Jul 22	P.15
		Smart pad in home	NB Jul 22	P.18
		Solar desiccant dehumidification	NB Jul 22	P.10
Sustainability information system - residential buildings	NB May 23	P.12		
Trigeneration system	NB Jul 22	P.13		
Underground rainwater detention system	NB May 23	P.8		
UV vent guard at top of soil stacks	NB May 23	P.9		
NB v1.2	IA2	Aluminium formwork	NB Jul 22	P.23
		BIM	NB Jul 22	P.21
		Biodiesel for on-site plant (backup generators for data centre)	NB May 23	P.18
		Biotech refuse collection point de-odourising system	NB May 23	P.23
		CIC Carbon Label for concrete - 100% concrete is labelled	NB May 23	P.19
		Community farm	NB Jul 22	P.21
		Design for manufacture and assembly (DfMA)	NB May 23	P.17
		Energy smart monitoring system for a public rental estate	NB May 23	P.21
		ePMS / Internet project comm centre / Online collaboration platform	NB Jul 22	P.21
		EV charging facilities at carpark	NB Jul 22	P.21
		Food waste decomposer	NB Jul 22	P.21
		Green Contractor Award	NB May 23	P.20
		Hard-paved construction site	NB Jul 22	P.21
		IAQ Excellent Class	NB Jul 22	P.21
		Multi-sensory map	NB Jul 22	P.21
		Physical treatment for AC condenser water	NB Jul 22	P.24
		Smart meters and energy display	NB Jul 22	P.21
		Twin tanks	NB Jul 22	P.21
		Two-stage lighting	NB Jul 22	P.21
		Water mist cooling	NB Jul 22	P.22
Zero irrigation system	NB May 23	P.22		
Existing Buildings	IA1	Carpark ventilation - use of IoT plus demand control	EB BI ND May 23	P.4
		Chiller plant - combine two plants in an existing building	EB BI ND May 23	P.5
		EC plug fans	EB BI ND May 23	P.3
		Nano surface treatment to lifts	EB BI ND Jul 22	P.3
		Waste management system (RFID + weighing device + cloud)	EB BI ND May 23	P.6
	IA2	Automatic fill cleaning for cooling towers	EB BI ND Jul 22	P.3
		Charity activity utilising the building's characteristic	EB BI ND May 23	P.8
		Food donation	EB BI ND May 23	P.7
		IAQ Excellent Class	EB BI ND Jul 22	P.3

MW	Bamboo (augmented) as a strong building material	OT May 23	P.10
	Biochar replacing cement	OT Jul 22	P.16
	CCUS bricks (carbon capture, utilisation and storage)	OT May 23	P.8
	Flexible sprinkler drops replace rigid G.I. pipes	OT May 23	P.11
	Lightweight concrete + High strength steel for MiC modules	OT May 23	P.6
	Low-carbon concrete (GGBS at 60%)	OT May 23	P.7
	Low-carbon rebars (100% recycled)	OT May 23	P.9
	Plastic reuse in construction materials	OT Jul 22	P.15
	Recycling facilities (new) to cope with increased needs for recycling	OT Jul 22	P.19
	Synthetic macro-fibre in on-grade concrete slabs	OT Jul 22	P.17
Timber (mass engineered timber) as low-carbon construction material	OT Jul 22	P.18	
EU	AHU EC plug fans - new apply / retrofit	OT Jul 22	P.28
	Batteries for storing emergency power	OT Jul 22	P.40
	BIPV applied to roof tiles, road tiles and curtain walls	OT May 23	P.14
	Cascade water supply system to save pumping energy	OT May 23	P.22
	Clothes drying racks - an innovative form	OT May 23	P.20
	Coating retrofit for AC condenser coils	OT May 23	P.16
	Coatings on lighting fixtures / ceiling panels to enhance reflectance	OT Jul 22	P.42
	DALI system / Individual control modules for lighting / AC	OT Jul 22	P.43
	DC micro-grids within a building	OT Jul 22	P.41
	Digital energy monitor for MCB Boards	OT Jul 22	P.44
	Distributed pumping for chilled water system	OT Jul 22	P.31
	Fan as a standard provision by developer	OT Jul 22	P.32
	Fan fitted at air diffuser to improve circulation of AC air	OT Jul 22	P.33
	FCU PM motors - new apply / retrofit	OT Jul 22	P.28
	Lighting management system for outdoor lighting	OT May 23	P.19
	Local and mini-area cooling	OT Jul 22	P.34-35
	Magnetic bearing oil-free chillers	OT Jul 22	P.29
	Mall without air-conditioning, which utilizes natural wind	OT Jul 22	P.27
	On-demand control of hot water recirculation pumps	OT May 23	P.23
	Passive radiative cooling films	OT May 23	P.15
	Passive radiative cooling paint	OT Jul 22	P.21
	Pavements that generate energy (and data)	OT Jul 22	P.25
	Predictive control for AC system	OT Jul 22	P.39
	Predictive control for carpark vent/light or street lighting	OT May 23	P.17
	REC certificate / carbon credit purchase to achieve carbon neutrality	OT May 23	P.21
	Retrofit double glazing by insert replacement	OT Jul 22	P.22
	Smart AC controller (AI) for home application	OT May 23	P.18
	Solar hot water panels : balcony-mounted	OT Jul 22	P.26
	Solar windows that generate electricity	OT Jul 22	P.23
	Variable primary flow (VPF) chiller plant w/optimization control	OT Jul 22	P.30
VIG (vacuum insulated glass) retrofit to curtain walls etc.	OT May 23	P.13	
Walk-on PV panels / flexible PV sheets	OT Jul 22	P.24	
Water source heat pump AC system utilizing stormwater channel	OT Jul 22	P.38	
Water source heat pump quasi-central AC sys for residential buildings	OT Jul 22	P.36-37	
WU	Midori-chan zero irrigation planter system	OT Jul 22	P.46
	Overflow water/drained water reclaimed for re-use	OT May 23	P.25
	VFD for top-floor booster potable/flushing water pumps	OT Jul 22	P.47
HWB	AirGuard "Clean Air as A Service" disinfection system	OT Jul 22	P.50
	Antibacterial and dustfree coating for metal air duct internal surfaces	OT Jul 22	P.51
	Diatomaceous earth wall coating or plaster	OT Jul 22	P.52
	Displacement ventilation for restaurants	OT Jul 22	P.49
	Graphene / silver ion paints (absorb CO2, avoid condensation, etc)	OT May 23	P.29
	Green moss and microalgae green walls	OT May 23	P.28
	Gypsum block wall system	OT Jul 22	P.53
	Hydrogel added to flushing water to fight COVID-19 and odours	OT Jul 22	P.54
	Impact noise isolation (floating floor finish) in residential buildings	OT May 23	P.30
	NanoFil innovative air filters	OT May 23	P.27
	NCCO vent for top of soil stacks	OT Jul 22	P.55
Solar responsive ventilators near curtain walls	OT May 23	P.31	