





Capturing AECB's Golden Nuggets & Guru Know-How

Promoted by Brian Murphy Green Building Encyclopaedia (GBE) proposal to Association for Environment Conscious Building (AECB) Championed by Julia Bennett and Paul Bourgeois







- Is available on http://.GreenBuildingEncyclopaedia.uk/
- Page: ... ?P=12210 for PDF added today
- I will build hyperlinks from text content into the relevent pages of the website to expand on the content if you wish to explore further

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Sheffield 2015 AECB Conference

- Made very welcome after a long absence
- Presented this idea in the exhibition space display
- Generated some interest
- Julia and Paul said we should try to make it happen

16/07/16 Mentioned in Social Media











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O Telestra

Other reason for this proposal:

- · AECB is a fountain of knowledge and expertise
- · We know it, but very few other people do
- The AECB Forum helped to spread the word wider than membership (check-out the stats!)
- · CarbonLite training is converting others slowly (CLR too)
- Passivhaus Plus is a new outlet to a wider audience
 Fran pleaded for more engagement
- . But there are millions that need to have AECB know-how
- If we are to have any significant effect, we cannot do it alone
- · We need to share, more, faster, to those who can act on/

16/07/16 We must not hold back

- (no more not wanting to share what is our know-how)

Current Doctrine:

Profits before People before Planet Fiduciary Rules okay

(Legal obligation to make profits for shareholders)

- · Trying to change the majority in the industry is impossible
- · "I have always done it like this, why change now?"
- · Even if they want to change its too big a task
- · Youth of the world want future stability
- With guidance can start afresh in their own enterprise
- Youth can carry the torch without the burden
- AECB can show the way



There are two parts to this proposal:

- Extract the golden nuggets out of the AECB forum
- Capture the know-how of the AECB guru before its lost forever

16/07/10

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There are two complimentary parts being offered to build on:

- Green Building Encyclopaedia (GBE)
- GBE 2D/3D View: an interface to GBE

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- Paul tells me that the committee
- and members?
- Want to develop a level of professionalism?
 Or be more professional?
- To enable fit with and assimilation into mainstream?
- Conventional materials and construction performance is understood and taken for granted and is the default
- Green is unknown and nothing is taken for granted and has to be proved each time
- More research needs to be done or knowledge disseminated in the best way possible to be accessib all when making everyday choices (ASBP similar ain).







Green Building Encyclopaedia

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- · 60 items in this mind map
- · 275 Page groups in the site map so far
- 1925 pages so far, 30,000 anticipated
- · This takes a lot of navigating
- · So a novel navigation method has been developed









Neural Network Navigation





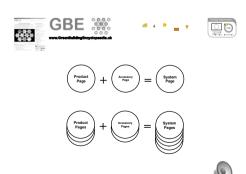


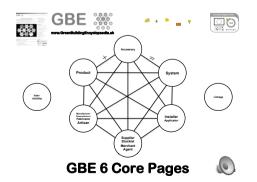




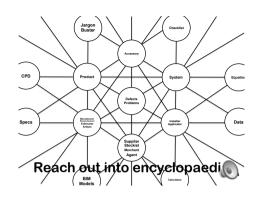
- · 45 years since you first played it
- · You remember every word
- · You know the next track before it plays
- · That's the way the human brain works
- · Nuggets of information stitched together



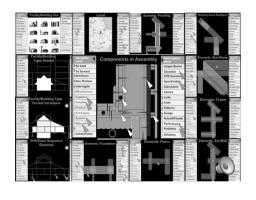


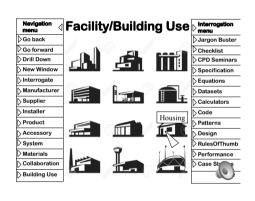


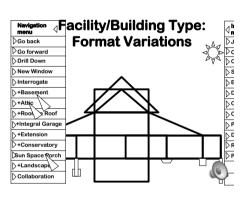


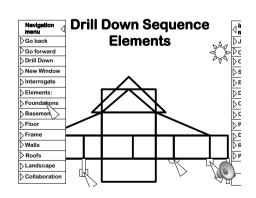


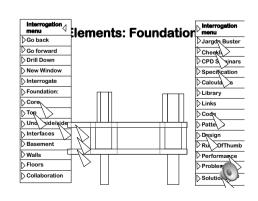


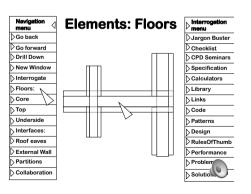


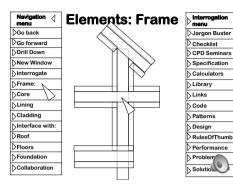


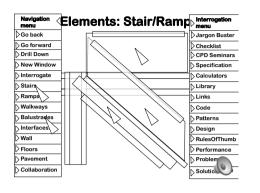


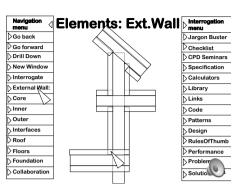


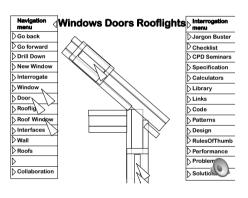


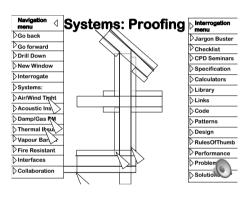


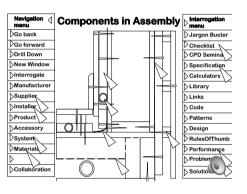
























Extracting Golden Nuggets

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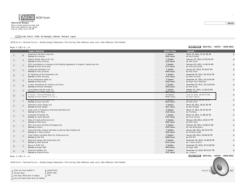




- · is very informative,
- has been very popular
- 71,962 views, 46 replies in 1 topic
 - Congratulations Mark Siddall: Psi values
- · was a great way to share know-how;
- And its static not a drip feed like SM
- · was an invaluable part of the AECB offering

- to its members and way beyond







Overtaken by Social Media

- AECB Forum's role has been overshadowed
 - -in the last 5-7 years
- -by the enormous success of social media platforms,
- -which can play a similar role
- -but with continually added sophistication
- -offer much more to users



This GBE proposal is to:

- . Determine the ambitions for 'the essence or nuggets' - AFCR Gurus assential to decide what is valid
- · Prepare briefing document and provide training
- to project team (AECB members?)
- to know what to look for to save - how each will be used in the end
- what to discard
- . Copy the content out (into Word for example, it it possible?)
- . Strike out the chatter (track changes on) AECB Gurus & GBE check, confirm approach and catch loose
- · team members filter files and accept or reject changes





Whist AECB Forum platform has become moribund

- · its content remains as valid as ever.
- · By virtue of its format:
- it is full of golden nuggets
- buried in long strings of chatter
- sometimes cyclical and often repetitive.
- its many strands of discussion were not joined up or cross linked,
- to the detriment of its users learning opportunities.









Capture the essence,

- · Its 'golden nuggets'
- · Convert them into the most appropriate formats:
- Reference Documents/Bibliogr · Reviews/critiques of parts
- Checklist
- By trade: avoid this, consider these, reclaim and reuse, etc.
- Datasets, Equations, Calculators, Tools
- Recipes, Materials, Products, Accessories, System Elemental assemblies, junctions and details
- Drawings,
- Elemental assemblies, junctions and details - Outlines: Essence of a thing in Hierarchy
- Etc. see more below









Encyclopaedia Know-how Information	Design Principles Code & Patterns Rules of Thumb	Products Materials Accessories	Solution Providers:	Services to manufacturers Suppliers & Installers	News, Blogs Events & Diary
CPD Seminars	Jargon Buster	Methods of Construction Systems	Manufacturers & Suppliers	Consultancy	Links
Specification	Sustainability Checklists	Systems, Elements & Whole buildings	Applicators & Installers	Disciplines	Video & Images
Calculators	Defects & Solutions	Websites & Databases	About GBE	Project Case Studies	Feedback





Deliver them using website technology

- Join-up all the related information from all relevant Forum discussions
- Links in both directions
- to be as accessible and useful as possible

(GBE Neural network)

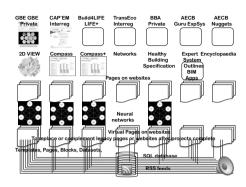




- To members and
- the public at large.
- Via GBE, AECB website(s)
- or both linked up using RSS technology

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- The process of assimilating this information
- · Could and should be a joint effort between
- AECB members and GBE in close liaison throughout.
- Shared: spread nuggets between many, if little funding
- · Carried out by AECB members
- · Checked by GBE if fully funded
- Building Website/parts/linking GBE happy
 16/07/16 take on when funded







Capture the know-how of AECB Gurus before it is lost forever.



Who are the Gurus?

- People like:
- David and his numbers and number crunching
- · Mark e.g. Psi and Thermal Bypass
- · Paul e.g. Airtightness
- Recent Graduates with Dissertations, Masters or PhDs on focused subjects



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Priorities:

- Oldest first
- Younger will do this with their own know-how during their career, I hope

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- Work with the Gurus to determine what could be useful to others in their absence
- With AECB agreement.
- Record their knowledge and
- 16/07/16 know-how turn it into:









- Sources of data or knowledge
- Bibliography with links to PDFs or online shops

....





Knowledge

• By the GURUs or assisted by

Extracts from magazine back

Pages of illustrated text

Builds to Encyclopaedia



- How to use and apply the data in detail
- Method statements detailed enough to follow
- Procedures to get best results













Know-how

- · Data sets of materials, properties
- Equations to interrogate data sets to make calculators
- Calculators to become Apps (for BIM for example)
- Multiples to create modelling 16/07/16 tools



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writers/editors

16/07/16 copies (Proposal 3?)





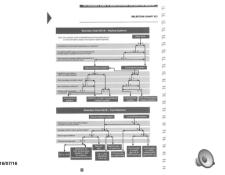
Expert Systems:

- · Capture their analytical thought processes
- Materials and methods Hierarchical Outlines of their essence (Weatherboarding example)
- Develop expert-system to allow others to experience them and learn from them
- Convert as much as possible into . design and decisions tools







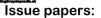




GBE would welcome the opportunity to work with AECB

- extract the essence of the Forum,
- · capture its Guru knowledge and
- what it's individual members do and
- · make it readily available to all of it's members and to a wider audience.





Take one Issue

GBE 🎆

- Download brain(s)
- Organise into subtopics to become
- · Make into web pages and hyperlink like a daisy chain
- Cross link with other Issue daisy chains





The process of assimilating this information

- would be a joint effort
- between AECB members
- Expert system authors
- (up skill AECB members?)
- GBE in close liaison 16/07/16 throughout.



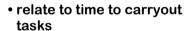
Why would anybody want to do this?

- A chance to work with Gurus
- A learning opportunity
- Potential for specialisation
- Specialist careers awaiting
- A Guru's Mini me









• all need to be paid to do this

-or no incentive





Income apportioned as appropriate:

Who would want to do this?

Somebody:

that wants to develop Apps

• who want to be the Guru's

· who needs to know a Guru's

With an inquisitive mind

know-how

16/07/16 mini-me

- overhead costs to hosting website
- income for time or know-how contributors
- repay AECB to cover development costs
- 16/07/18 if not funded by other means

All contributors

- · Of know-how, time or funding
- · Acknowledged on each page or text block
- . Along with © Establishment
- © AECB Ian Cooper 2017; Funding: Indigogo Crowdfund 50% AECB 50%
- · Linked to individual or company pages;
- In turn linked to all contributed pages















- Brian Murphy BSc Dip Arch (Hons+Dist)
- 10th June 2016 16th July 2016





- Created: GBE at www.greenbuildingencyclopaedia.uk 2015
- E BrianSpecMan@aol.com
- · Twitter: http://twitter.com/brianspecman
- · Facebook: http://www.facebook.com/brianspecman
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