

Health & Well-Being in ARZ

Rating

What does the ARZ Rating for operational office buildings incorporate in terms of Health and Well-Being requirements?
How do we achieve improved standards, and what are the challenges?

Expert Name: Naji Tannous

Founding Member, Engineer



Short Profile: Naji Tannous is a consultant in building environmental performance, he contributed in the development of the ARZ Green Building Rating System and is currently in charge of delivering ratings for the ARZ BRS. His professional experience spans over 37 years mostly in the building sector.

Expert Name: Rima Sorour Al-Housseiny

Board Member 2011-2016, Architect

Lebanon Green Building Council - LGBC



Short Profile: Rima has a wide multinational experience as an architect and designer. She is a Principal Architect at Hints Design - Lebanon, Principal Designer at Founoun - Saudi Arabia and Director at Hints - USA, a start-up company specializing in commercializing smart designs for consumer products.

In recent years, Rima has been concentrating on identifying and implementing opportunities for sustainable development in Lebanon's urban and rural areas. In particular, she contributed a number of urban and environmental seminal guides such as UNDP's "National Guideline for Rainwater Harvesting Systems – Lebanon".

A board member of the Lebanon Green Building Council, 2011-2016, where she has been serving as Secretary of the board. She assumed a number of key roles during her tenure at

LGBC. Rima holds a Bachelors of Architecture from the American University of Beirut, and attended graduate studies at New Castle University in the United Kingdom.



Definition / Benefits	Constraints / Challenges / Barriers
<ul style="list-style-type: none"> ✓ Thermal Comfort ✓ Indoor Air Quality ✓ Optical comfort ✓ Visual Comfort ✓ Audible Comfort ✓ Ergonomics ✓ Electromagnetic ✓ Water Quality 	<ul style="list-style-type: none"> ✓ Financial Economic considerations ✓ Lack of know-how in implementing – Technical level ✓ Urban Planning ✓ Education of Architects, Engineers & Interior Designers ✓ General Awareness ✓ Lack of appropriate regulations – Standards / Norms / Laws / etc.... ✓ Lack of Incentives ✓ Deficient follow-up on Green Building projects ✓ Outdoor Pollution – Noise / Visual / Air ... ✓ Lack of appropriate Materials ✓ Culture ✓ Political instability ✓ Deficient infrastructure
Best Practice / Solutions / Tools	Resources / local Availability
<ul style="list-style-type: none"> ✓ Generalize 'Green Building' in Universities ✓ Capacity building in Technical Schools ✓ Capacity building for Professionals – OEA ✓ Include Green Building Criteria in Building Codes ✓ Provide incentives for implementing 'Green Building rating Systems' & executing 'Green Buildings' ✓ Market availability of Green Material ✓ Devise Regulations and means to implement them ✓ Education & Awareness in Schools ✓ General awareness programs for behavioral change – Media / 	<ul style="list-style-type: none"> ✓ Building Rating Systems already exist in Lebanon ✓ Good educational system ✓ A lot of exposure to Environmental Issues – Media / etc.... ✓ Relatively healthy building sector ✓ Youth as a 'Driver of Change' ✓ Lebanese characteristics – Climate / Location / etc.... ✓ Have some Incentives & Laws ✓ Culture – Lebanese Characteristics ✓ Potential outside Funding

Campaigns... ✓ Act on Municipal Level	
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