

DRAWING BOARD



Keeping these figures in mind, and factoring in the challenges that urbanization represents for natural resources, space, and energy 40% of the global energy is consumed in buildings, it is more imperative than ever that the choices we make today about developing our cities are sustainable ones, and leave a lasting positive impact on the generations to come.

CREATING LIVEABLE BUILT ENVIRONMENT

History is proof that this won't be the first time that cities and the built environment will be reimagined or redesigned in response to an increased understanding of the disease. Energy conservation is a key aspect to be incorporated in a building design irrespective of any pandemic or similar situations. Energy conservation is not only extracted through regenerating the energy from natural resources, but it also depends on the individual's consumption and lifestyle. It is the core responsibility of the designer to confer onto the comfort of the user while perpetuating energy.

"An architect may assimilate vernacular architecture influences in design in order to practice cost cutting. In other cases, sustainable design may involve investment at the initial stage, but it ultimately increases the lifespan of the design while generating better than anticipated return on investments in the long run. It is not specifically restricted to maintaining health and wellness. Even

GREEN CONVERSIONS

- More intelligent and innovative use of materials
- More environment friendly products
- Reduced energy consumption in all services
- Optimal environment safety in construction and maintenance
- Maximum reuse, recycle and up cycle of products
- Resilient operations with long building life cycle



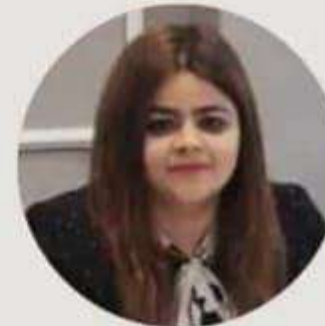
a small residential project must encompass sustainability attributes," explained **Ar. Khozema Chitalwala, Principal Architect and Designer at Designers Group.**

Current sustainability necessities for buildings and the new paradigm for urban development have brought to the forefront new tasks for the society and

businesses, that is the provision for energy efficiency in buildings, sustainable waste-reducing construction methods, urban renewals, universal design and the use of information and communications technology tools for design. Recycled products, materials manufactured with resource-efficient processes, natural, abundant or renewable materials, locally available, Non-toxic materials, Low VOC products are greatly desired in sustainable architecture designs. They improve Indoor Air Quality since they are non-toxic and less hazardous to the occupant's health.

Ar. Himani Ahuja, Communications Director & Co-Founder, One Digital shared,

"For many in the architecture & design community, the meteoric spread of COVID-19 has caused them to amend their life's work, and design for a world that will never be quite the same, as the bylaws concerning how we function as a society in public spaces will change forever. Post pandemic, there will be a paradigm shift in the design language as designers will incorporate disease-free methods into the built environment. This time has forced us all to focus on the threat that this climate change presents to hard-won development gains around the world. In addition to it, this crisis has a sense of foreboding to it but if we are strategic in how we design policy responses, we can achieve long term outcomes that benefit global interests. Planning for that, however, must start immediately."



BUILDINGS OF FUTURE GOING TALL & RESOURCEFUL

Taking into consideration the upward trend of buildings, now going up to 1,000 meters, elevators, escalators, and moving walkways play an important part in creating sustainable and self-sufficient structures that can dramatically reduce the overall energy used in buildings. One can envisage an enhanced focus on development of smart cities with sustainable and environment friendly