

Dear Reader,

We are beginning yet another financial year and we are happy to bring to our readers another issue of inSite with all the exciting tidbits of the recent events, industry news and our own developments.

We look forward to your valuable suggestions and remarks on info@ikix.in. For more information, please log in to www.ikix.in

Happy Reading,

The Editorial Team

Srikanth

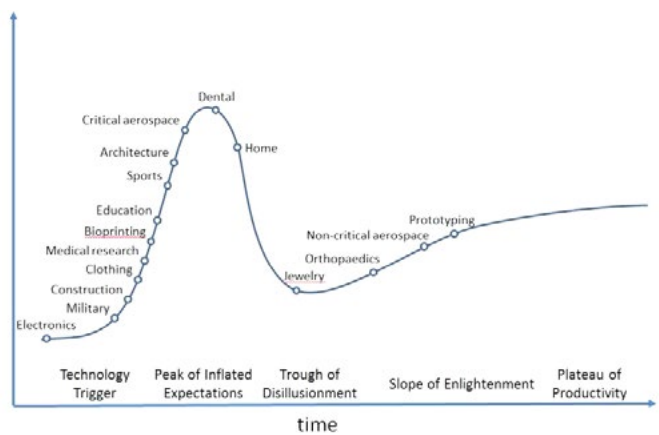
K Padmaja

R Anbarasan

3D Printing Materials 2015-2025

Gone are the days of 3D Printing being synonymous with Rapid Prototyping; the days of Additive Manufacturing are here.

No longer is 3D Printing used only for one-off pieces and prototypes, but for final part production of items with reduced and simplified assembly, quicker design iterations, greater design freedom, mass customization and minimal material wastage. For these reasons, 3D Printing is already common in aerospace, orthopedic, jewelry and dental sectors. Adoption is fast-growing in education, military, architecture, medical research, and automotive sectors.



FIRST 3D PRINTED PART TO FLY IN A COMMERCIAL JET ENGINE

The fist-sized piece of silver metal that houses the compressor inlet temperature sensor inside a jet engine is a part that's a bit obscure even for many aviation aficionados. Starting now, however, it's becoming a symbol of one of the biggest changes sweeping jet engine design.

The housing for the sensor, known as T25, recently became the first 3D-printed part certified by the U.S. Federal Aviation Administration (FAA) to fly inside GE commercial jet engines.

The new 3D printed housing, made from a cobalt-chrome alloy, protects the temperature sensor's delicate electronics from icing and punitive airflows inside the engine.

It would normally take GE several years to design and prototype this part, but the GE team was able to save as much as a year from the process.



CONSTRUCTION OF SAGRADA FAMILIA ACCELERATED BY 3D PRINTING TECHNOLOGY

As reported by the BBC, construction of Antony Gaudi's already 133 year old Sagrada Familia in Barcelona is now being accelerated by one of the most modern technologies around: 3D printing. As a matter of fact, the construction process in Barcelona has been utilizing 3D printing for 14 years, introducing the technology in 2001 as a way of speeding up the prototyping of the building's many complex components.

The process uses powder-based stereolithographic 3D printers, which build prototypes layer-by-layer, resulting in a material similar to plaster. This is important to the workshop at the Sagrada Família, because it allows craftsmen to easily alter the prototypes by hand, to meet the demanding specifications of the building.



Source: Archdaily.com

iKix 3D PRINTS SCHOOL MODEL

Sri Dharamchand Educational Trust of Tindivanam approached iKix with the proposal of making the 3D Printed model of Sri Dharamchand Jain School.

The iKix team worked meticulously to deliver the whole project in a week's time. The Designers converted the 2D design given by the customer into 3D printable file. The school model was placed in the midst of the beautiful landscape handcrafted by the Landscape team along with 3D printed elements like Lamp-post, cars, trees and external lights. Entry and exit gates, main road, inner road, sports indoor courts, Badminton court, Tennis court, parking, lawns, transformer zone were depicted.

The model was hand delivered at Tindivanam by iKix executives.



LATEST SHOWS AND EVENTS ON 3D PRINTING TECHNOLOGY

3D PRINT DESIGN SHOW April 16-17, 2015 at Jacob Javits Center, New York City.

The 3D Print Design Show took place as part of 3D Print Week and showcased the design capabilities of 3D printing with hands-on exhibits and interactive displays, stunning 3D printed pieces of Architecture, Fashion, Interior Design, and consumer goods.



We welcome

Mr. Bharath Prakash V who has joined the iKix family in the capacity of Manager - Business Development for the UAE region.



iKix Celebrates Birthdays in March - April 2015



We took some time off from our busy schedule to celebrate the birthdays of our colleagues amidst lots of joy and excitement.



NEW CUSTOMERS

- Sri Dharamchand Jain International School
- Golden Moments Jewellery
- CH2MHill
- Velvet Case Jewellers