

JAN 2021

# Newsletter

ProtoTech Tech Talk -2020

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Pages

A journey of 15+ years with expertise in Engineering Application Development | 3D graphics | Solid Modelling

**2005**

Pune, India

190+ Projects | 55+ Countries | 200+ Testimonials | 3000+ Staff-months

Vision- To be the world's leading Technology Partners and help companies build Impacting Solutions!

**2020**

**Celebrating  
15 Years  
Of Success  
2005 - 2020**

We have stood the test of time with a golden past and are looking forward to a gleaming future. We began with a small number, but now we are plenty of experts growing together; Our journey has helped us build a family with the astonishing clientele, we have worked with, advancing our expertise and creativity.

Our passion for mathematics and fun facts has made our journey exciting every day and pushed our limits, always delivering more than expected! As we celebrated our 15 years of success and we'd like to thank our Clients, Employees, and all who have supported us throughout our journey. We couldn't have done it without you!

Adding to the company's 15th-year journey, let's talk about the procurement, since March 2020 the COVID pandemic era

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## New collaboration with the most trusted brands

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### **Autodesk Services Marketplace**

After 15 years being ADN partners, developing 100+ plugins on almost every Autodesk platform viz. Inventor, AutoCAD, Revit, Forge, etc., winning many hackathon & portathon awards, having 75,000+ users who downloaded our plugins - ProtoTech Solutions formally joins Autodesk Services Marketplace.

### **Cassini PLM for Visualization PLM Services**

ProtoTech Solutions is proud to forge one worthy partnership with Cassini PLM for Visualization PLM Services. Cassini PLM simplifies, manages and accelerates product development life cycles (PDLC), in terms of visualization, with services aimed at enhanced prototyping that lets the client visualize the final product much before it is

### **TransMagic - ProtoTech Partnership**

TransMagic, Inc., an industry leader in 3D CAD productivity tools, & ProtoTech Solutions, a custom software development company, have associated their powers to bring the AEC and MCAD industries a series of translators to effectively connect AEC and MCAD application

### **ProtoTech Joins NVIDIA Inception Program**

ProtoTech Solutions join NVIDIA Inception, a virtual accelerator program that is designed to nurture startups during critical stages of product development, prototyping, and deployment, to revolutionize industries with advancements in artificial intelligence (AI) and data science

## PROJECTS DELIVERED

### Developed 3D Configurator App

We are delighted to share that we have developed a brand new web based 3D configurator app using Three Js for one of our valued clients that helps end users to visualize 3D CAD models, configure individual parts and generate the product quote/estimate accordingly.



**AR Application Project** We created the 3D model visualization of extreme high fidelity for one of our client with actual reality appearance & designed a bespoke file schema, that can be used to load a 3D model into the scene which renders with a high degree of photo-realism, and also developed an AR application which loads this file & performs explosion, animations, annotation etc.



### Using Machine Language

**a. Photo to 3D:** Converts a Single photo of a person and converts it to a 3D Body Model

**b. Body part classifier :** It takes a 3D scan of a human body as a input and returns a data structure that lists the parts of the human body

## NEW 3D CAD PLUGINS

- STEP Importer For Revit
- Parasolid Importer for Revit
- Inventor Importer For Revit
- STEP Exporter For Revit
- JT Exporter For Revit
- CatiaV5 Exporter For Revit
- IGES Exporter For Revit
- Parasolid Exporter For Revit
- STEP Exporter For AutoCAD
- JT Exporter For AutoCAD
- CatiaV5 Exporter For AutoCAD
- Parasolid Importer For 3DS Max
- SolidEdge Importer For 3DS Max
- Parasolid Exporter For Fusion 360
- CatiaV5 Exporter For Fusion 360
- JT Exporter for SolidWorks

## New Websites Launched

[prototechsolutions.com](http://prototechsolutions.com)  
[3dmeasureup.com](http://3dmeasureup.com)

## New Client Logos Won



Hiring continuously during the COVID-19 pandemic is a big achievement in itself.

## Talent Acquisition- A Glimpse

We are gratified to share that we have hired **22 new protons** to our ProtoTech Family with Virtually recruiting and remote working as new normal. Don't forget to explore our prowess areas 3D CAD Plugins and 3D services that includes years of 3D CAD software development expertise.

## Testimonials - Customer satisfaction is our goal



"We are very impressed with the ProtoTech team's unprompted willingness to always 'go the extra mile'. They did an outstanding job dealing with our application-specific challenges (multiface texture export, the export of polyline entities, model tree hierarchy, etc.), and optimizing large files down to very compact ones, reducing them in some cases by almost 70%. Their strong understanding of current development practices and professional attention to detail make them a dependable development partner.."

*Peter Saal Product Manager, Trimble*



3D Measure Up  
is clear, works perfect  
and best compared to  
everything else in the  
market

*Eddy Morrongiello  
Fit Station Geneva*



"It's great to  
use – just a different way to  
what I'm used to – much  
easier"

*Trudi Fajri | Benmax  
Australia*



"ProtoTech Solutions  
OBJ Exporter for Inventor  
is the most reliable, quick,  
and easy solution to a  
high-grade OBJ export from  
Inventor."

*Griffin Thomas, Director of Digital  
Engineering, Ace Vision Group, Inc*



ProtoTech's OBJ Exporter For Revit  
offers a powerful set of features  
(export textures, adjustable mesh quality).  
It went well, with no problems at my end. It is really  
straightforward to install and use!

*Emile du Toit, Student at Tshwane University of Technology*

It's Fantastic!! ProtoTech OBJ  
Exporter For Revit was unbelievably  
helpful in getting the selected OBJ  
models . I found it very easy to use,  
and quick too. I can recommend it.  
It also helps in Export Textures.  
Thank you very much for your  
support.

*Lasse Justesen | Engineer |  
Buildings indoor Environment and Energy*

I have worked in the field of Industrial and Architectural Design for 40 years, and have witnessed numerous 3d viewing applications come and go. The most encouraging was the export to interactive .pdf 3d formats allowing anyone with an Acrobat Viewer or .pdf viewer to interact with the design intent in an immersive way. Support of these programs was often not good, and the cost was also prohibitive, but the people at ProtoTech Solutions have made this an attractive package as to price point, and their ongoing support has made it an integrated and highly functional part of our design process and for development to RPD output.

*PAUL L. JAMES Design Source Intl.*



My name is George Poulos and I'm working to complete my Masters in Construction & Facilities Management at University of North Carolina @ Charlotte. As a part of my thesis, I am researching the conversion of raw 3D scan data so that it's useful for the facility managers. ProtoTech's 3D PDF Exporter for Revit is an extremely useful tool in that process. I would like to thank ProtoTech for their fantastic technology and super support!

*George Poulos | University of North Carolina |  
Masters in Construction & Facilities Management | Charlotte*



I am extremely pleased with ProtoTech Solutions! The customer service is excellent and the 3D Measure Up software is really "AMAZING!" I highly recommend them to anyone that needs a company that can produce the fast and accurate partial body, as well as full-body measurements. Their software really helped us to a great extent in getting the precise leg measurements which further accelerated the manufacturing process of custom braces, orthotics.

*Eli Hillstrom | C.Ped | Forward Motion*

ProtoTech helped us pioneer the concept of AR for retail products. The work of ProtoTech was fundamental to better evaluate the many existing technologies, both based on image and pattern recognition. After testing different results, we decided to go with browser-based AR, being one of the first to adopt what is now becoming a standard for the sector. ProtoTech Team's demonstrated to be quick in understanding our requirements, and to push their expertise in 3D formats into new directions, developing with new platforms and frameworks in record time.

*Giorgio Mazzucchelli | Software Architect | Italy*



It has been an incredible experience working with the ProtoTech team. I am pleased we decided to work with them. I have seen consistent performance, both in terms of meeting and exceeding expectations. Their daily reporting and weekly sync-up meetings are very helpful keeping me in touch with progress. I have been impressed at how well the team at ProtoTech understands the problem; their flexibility, enthusiasm, are commendable, Thanks, guys for doing a great job!

*Don Larson, CEO, Larson Software Technology*

