



www.wonderbizglobal.com

Success Stories

Industry 4.0 Solution Dev

How our custom-built Industry 4.0 solutions empower Engineering Teams



Case Study 1:

Edge IoT Analytics for O&G



MVP to an Edge Analytics IoT product

The Customer needed a solid Dev partner to take the MVP to a Commercial Offer for O&G Pumps



WonderBiz set-up a complete Dev Team

Including Data Engineers, Full Stack Developers, Test Engineers & Architects working with a truly distributed team



Product is ready for a Beta Deployment

The product is ready for a Beta Deployment and will be released as a Commercial Offer shortly



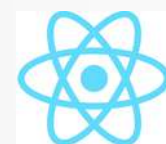
10 people team



18 months schedule



Phase 1 in Beta



Case Study 1:

Edge IoT Analytics for O&G



Ashish Patil

Senior Principal Technical Expert, Schneider Electric



WonderBiz has been a **great partner** for us. I would say WonderBiz is a company of Wonderful Engineers, who do not just provide the solutions for difficult problems but also **think creatively!** Very **methodical** in approach and **passionate** to understand Customer problems & pain-points and they **go the extra mile** to solve them. We have a great bond working with them together. We work with them on multiple projects - be it developing **Predictive Analytics** for our Customers or early detection of problems for **creating Digital Platform** to improve the efficiency of Engineers. The WonderBiz team has **proven their technical experience**. The best part I like about WonderBiz is that I **don't need to chase them** to get the work done. They take **complete ownership** of the work on hand."



Case Study 2:

Assisted Decision Making Tool for Improving Engineering Efficiency



Fortune 500 Customer wanted Competitive Advantage

Automating processing for Engineering using Image Processing & Computer Vision Techniques



WonderBiz was involved from Day 1 of Product concept

By fleshing out specs through multiple, iterative discussions with stakeholders, exploring technology choices



Product is in Beta and will start yielding revenue soon

Stakeholders were thrilled to see the initiative & responsiveness in building this product using new age exploratory tech



15 people team



48 months schedule



In Beta Stage



Case Study 2:

Assisted Decision Making for Engineering Efficiency

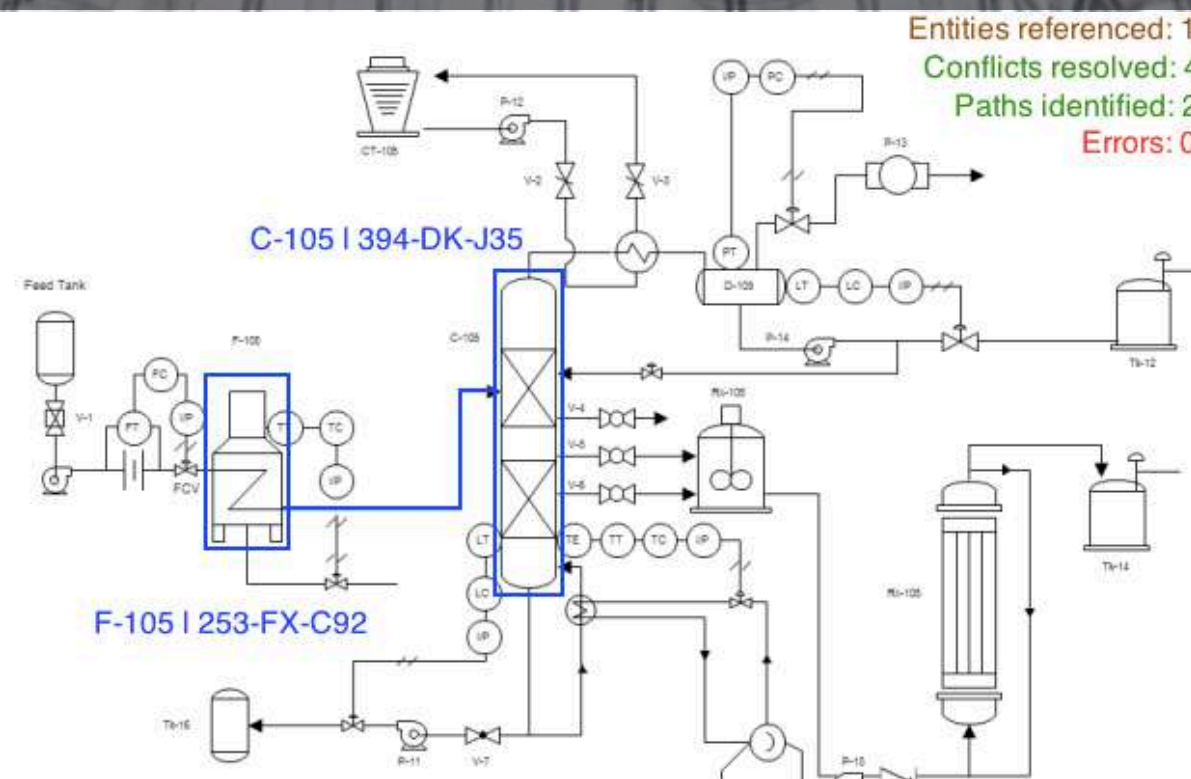


Dinesh Gondhi
Architect, Schneider Electric



The value that the team brings on to the table is asking the right set of questions and **challenging the problem** statement. The team has **great decision-making capabilities** for the good of the product by exploring multiple solutions to a given problem.”

The WonderBiz Team has expertise in building applications with **seamless User Experience** and experience in building **Machine Learning based** applications. There were multiple instances when the **team went beyond** to help customers.”





Case Study 3:

Predictive Maintenance Tool based on device logs



Concept to Product for Log Analytics

This new concept for making prediction out of data coming from Device Logs. Needed AI powered analytics.



WonderBiz took complete product ownership

Understanding high level requirements & generating multiple solutions, along with working prototypes, iterating & developing.



Product is now in production

Customer could launch several applications based on same Framework & set new benchmarks providing greater business value



6 people team



30 months schedule



Phase 2 in Production



Case Study 3:

Predictive Maintenance Tool based on device logs



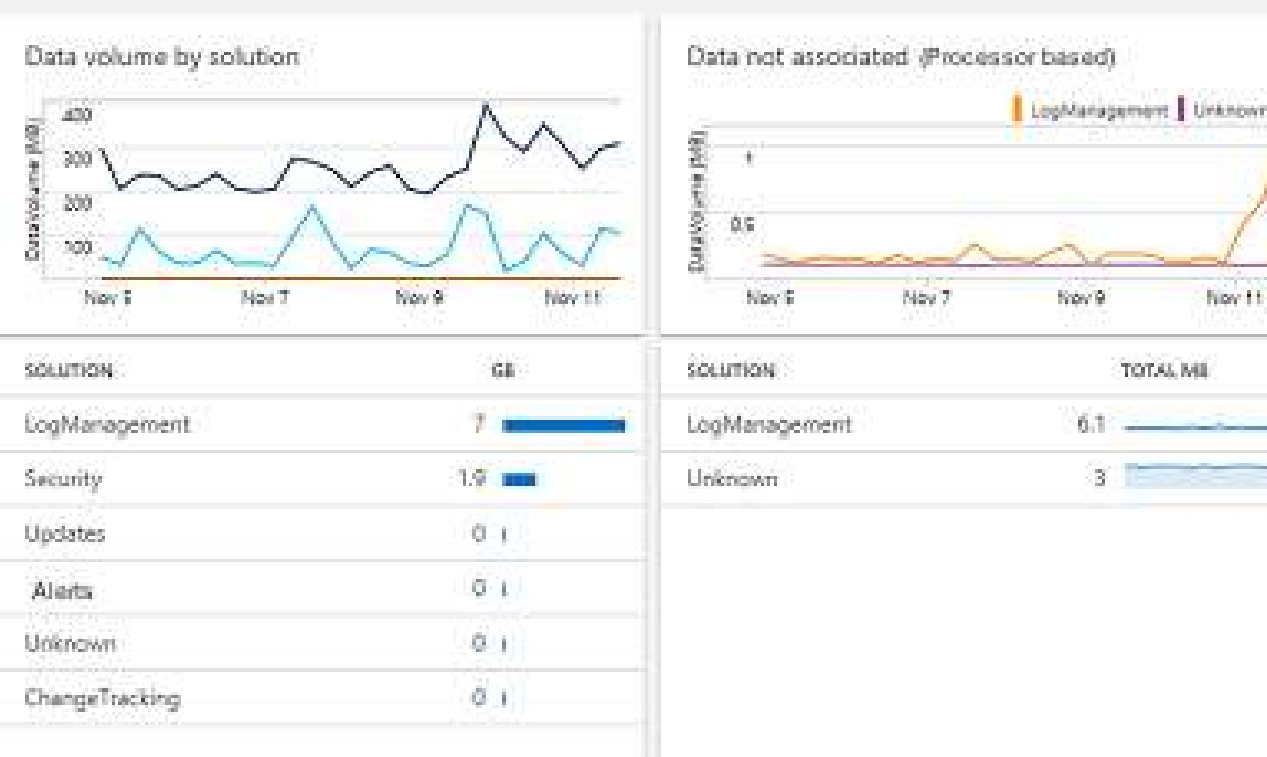
Bhaskar Sinha

Director - Innovation Lab, Schneider Electric



"WonderBiz did a wonderful job in understanding high level requirements, detailing it out & coming out with multiple solutions, along with working prototypes. All of this, with the speed that was expected from my side. We have received rave feedback for this. The team that WonderBiz provides brings with them passion, creativity and ownership!

Because of WonderBiz, we could launch not one, but several applications to our end users! These applications have now set a new benchmark in providing greater business value."





Case Study 4:

Plant Performance Console for Smart Factory



Concept to Product for Smart Factory

An aggregated drill-down dashboard for Plant Operations with integrations to potentially 55+ products for cross-sell & up-sell.



WonderBiz was commissioned for the full product dev

Technical Feasibility, Technology Selection & Full end-to-end Development. Low Code Frameworks were used after Feasibility.



Product is now market ready

And is undergoing post-dev readiness activities like System Test, Packaging and Tech Doc & Market testing.



12 people team



18 months schedule



Phase 1 market ready





Kevin Fitzgerald

Director & Solutions Architect, Schneider Electric

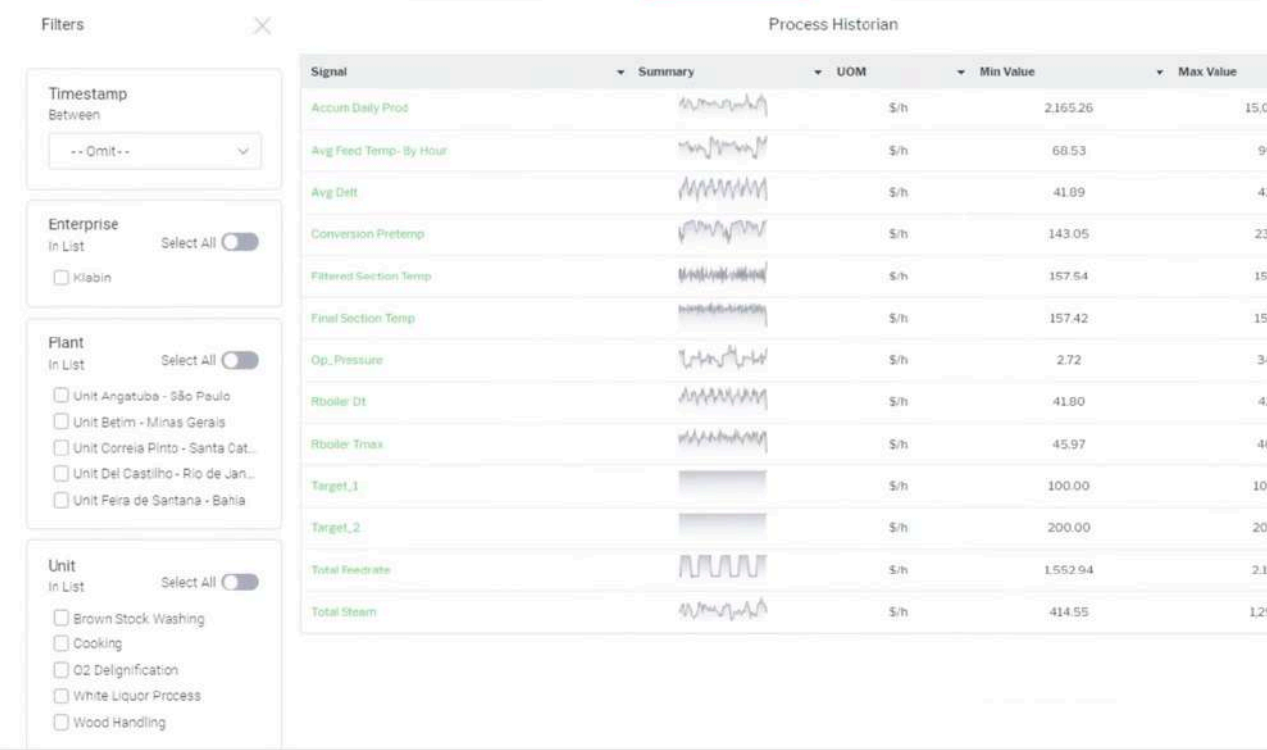
Case Study 4:

Plant Performance Console for Smart Factory



"WonderBiz Team extensively mastered our development systems that we use at Schneider Electric. An important element of that was also the cyber compliance requirement that required a very strong software security development life cycle approach that a WonderBiz team really jumped into & worked with our Security Team to get this done.

I was amazed that the WonderBiz team delivered the Application within one year time frame - it was exceptional! Overall I liked their Support and their Technical Excellence. And their Willingness to go the extra mile to work with us to get things done cannot be understated!"





Case Study 5:

Ecostruxure Automation Expert Product Dev



Next Generation Features for Award Winning Product

This award-winning product in the MES, MOM category needed continuous development and Next-Generation Enhancements



WonderBiz commissioned for POC -> Next Gen Features

The couple of Developers from WonderBiz on POCs paved way for further investment into Business Case and Product Roadmap



Product getting enhanced with Headless, Microservices

Movement from the Desktop app to a WebApp has started. Much modern looking User Interface and plug-ins.



9 people team



36 months schedule

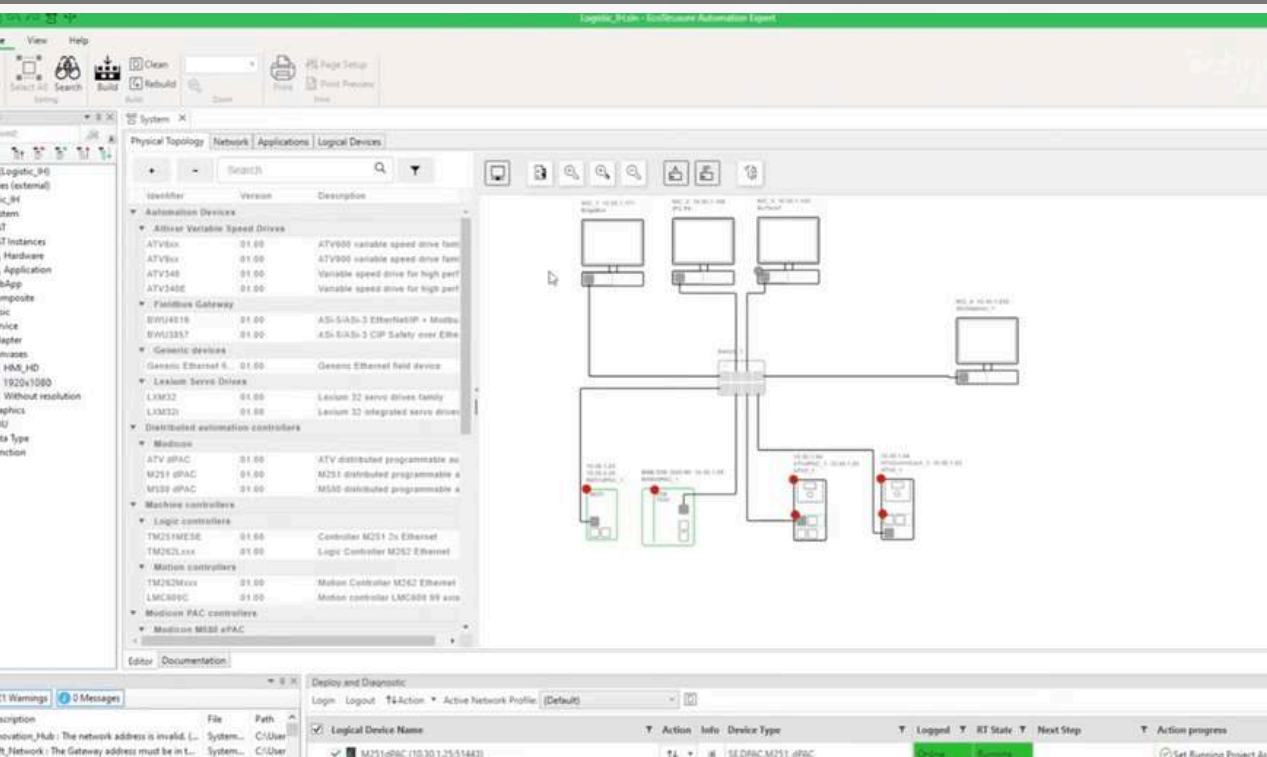


Continuous Development





Padmaja Bodanapu
Senior Principal Architect, Schneider Electric



Case Study 5:

Ecostruxure Automation Expert Product Dev



We have been having a great journey with WonderBiz. I remember when we were looking for teams who could come up with **rapid prototypes** for a few strategic initiatives. We went to various teams and found out that WonderBiz is a right partner who is ready to take up the **challenges** and create quick prototypes for feedback.

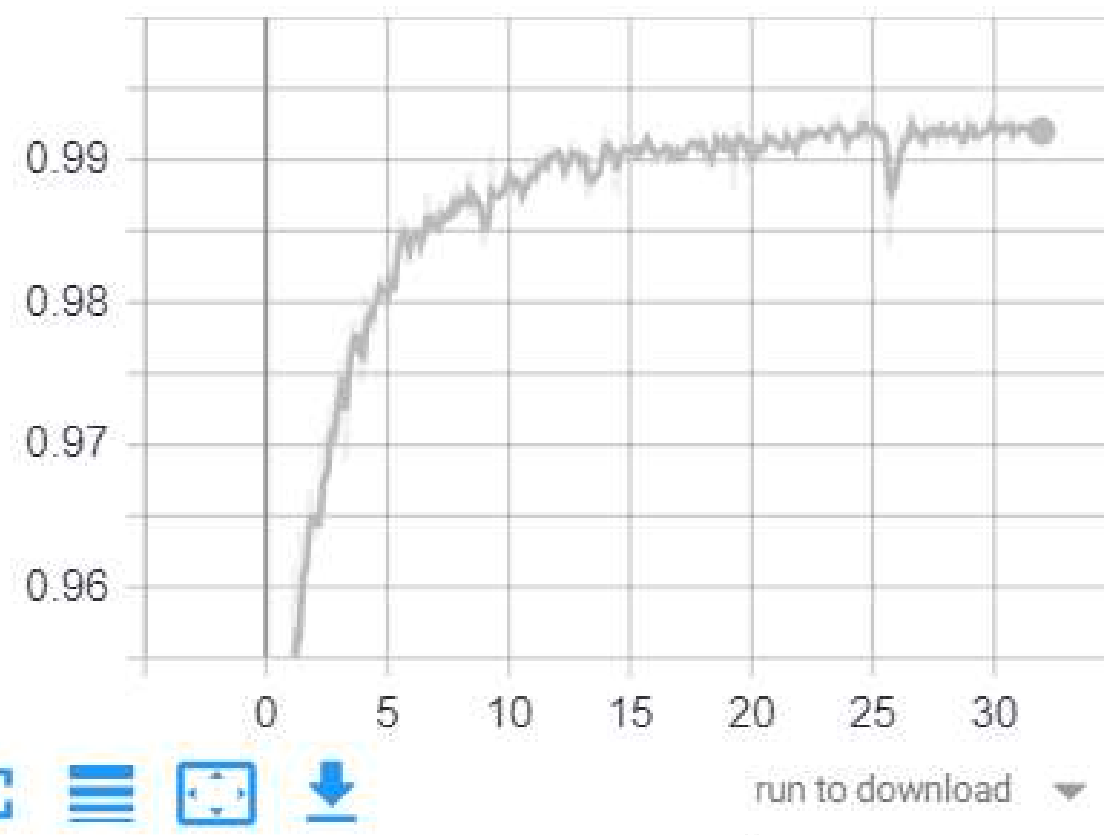
WonderBiz is very good at **exploring the right options**, tools and technologies to solve the given problem in a unique manner. Their team is very good at taking responsibilities with **ownership** and delivering the with the right quality.”

Case Study 6:

Machine Learning Core Dev

fast_rcnn

cls_accuracy
tag: fast_rcnn/cls_accuracy



Innovation Lab wanted to make all products smarter

Futuristic apps to take products to the next level using ML / DL. Models had to be trained and not used off the shelf



WonderBiz got going despite no previous track record

Image Analysis, Time Series data & classification of discrete data for Cause and Effect relationship for Predictive Analytics



Solid Machine Learning Core Team ready

To support all the futuristic applications on the drawing board after an Initial handholding that needed to be done



7 people team



48 months schedule



Work for various products



Case Study 6:

Machine Learning Core Dev



Amitabha Bhattacharya
Principal Technical Expert, Schneider Electric



I've been working with WonderBiz for the last four years. If I want to describe them, then two words come to my mind: **passionate** and **innovative**. They have a rich expertise in Data Science and Machine Learning, Sensors protocol and Application Development. I have worked with them on 2 major projects: One in Computer Vision domain and another in Predictive Maintenance.

WonderBiz was engaged from the first day of the project. WonderBiz helps us in the Machine Learning domain, IoT base architectures and App Development. They also help us in providing **correct tech stack selection**, system **architecture** and **executing end-to-end implementation.**"

```

import pandas as pd
import numpy as np
df=pd.read_csv('converted1.csv')
df.head()
np.set_printoptions(suppress=True)

# df for particular col
df=df.drop(columns=['Unnamed: 0','Spare Channels in overall IO (5%/10%/20% etc)','Spare Channel in each ca
df
  
```

Project Type (Green Field, Brown Field Upgrade)	Redundancy	Redundant ControlProcessor	Redundant IO cards	Redundant Mesh Network	IO count for Redundant IO card %	Spare Space %	Fibre Optic or Copper Network	fibres in each cable	AI HART los IS
0	0	1	1	1	7	20	0	12	0
1	0	1	1	1	7	20	0	12	0
2	0	1	1	1	20	20	1	0	1740
3	0	1	1	1	40	20	0	12	2399



Case Study 7:

Smart PCP (Progressive Cavity Pump) Module Dev



Needed quick PCP Module developed

With severely constrained Engineering bandwidth, Kelvin was looking for help for an Visualisation Tool for a Customer Pilot



WonderBiz put together a new team at short notice

With little or no specifications, the team with UI / UX skillsets began hashing out the interface, taking full ownership of User interactions.



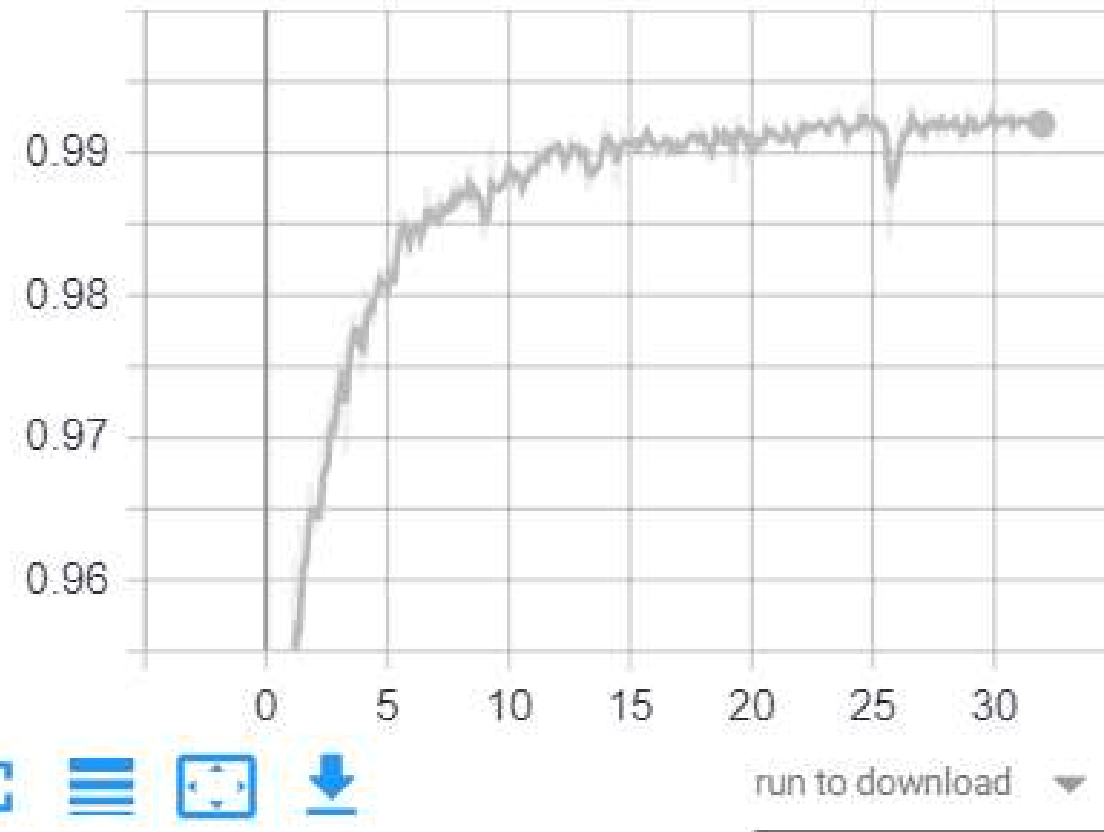
Pilot Module made an impact with the end Customer

The Module paved the way for Kelvin to successfully conclude a Pilot engagement with one of their customers.



fast_rcnn

cls_accuracy
tag: fast_rcnn/cls_accuracy



4 people team



6 months schedule



Pilot Module delivered



Case Study 7:

Smart PCP (Progressive Cavity Pump) Module Dev



One of the strong aspects of the WonderBiz team was **communication**. They were very **clear and transparent** about what questions they had and could quickly figure out who on the Kelvin side could help them with responses.

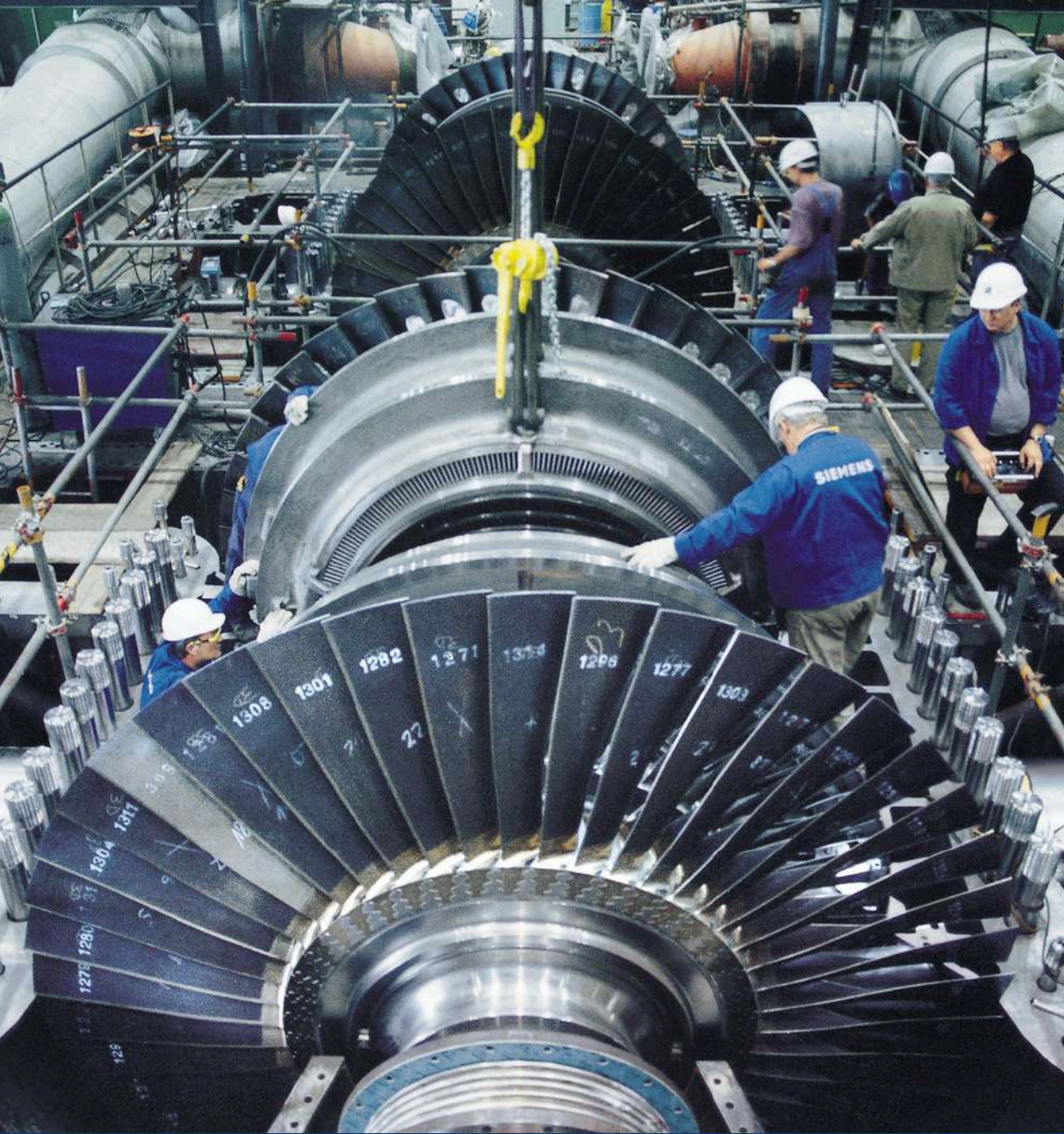
We receive a **ton of value** from WonderBiz in that they were able to spin up a very **capable team** in short order who are ready to drive forward with very little detailed information. The results of their efforts, supported us through a successful application trial with the Client and positioned us for a **stellar project** ahead."



Rene Beck

Project Manager - Solutions Engineering, Kelvin Inc

Name	Data Viewer	Pcp Speed (RPM)*	Last Action Time	Proposed Action	Proposed Speed (RPM)	Reason	Actioned (Y/N)	Downhole Pressure (PSI)*
12-1		139.00	27-01-2022 15:30:02	No Action	138.00	Tubing Pressure rising...	Confirm Action	0.00
10-1		60.00	27-01-2022 15:30:14	No Action	59.00	Note: Below Min Draw...	Confirm Action	0.00
75-1		65.00	27-01-2022 15:30:02	No Action	65.00	Tubing Pressure rising...	Confirm Action	0.00
76-1		219.99	27-01-2022 15:30:11	No Action	220.00	Tubing Pressure rising...	Confirm Action	716.70
90-1		119.99	17-12-2021 21:30:25	No Action	64.92	Water, Gas and Torqu...	Confirm Action	0.00
91-1		0.00	20-12-2021 21:30:11	No Action	181.02	Water, Gas and Torqu...	Confirm Action	1358.95
99-1		179.99	27-01-2022 15:30:11	No Action	180.00	Note: Above Max Dra...	Confirm Action	0.00
99-2		150.01	N/A	No Data	N/A	N/A	Confirm Action	0.00
130-1		64.99	27-01-2022 15:30:02	No Action	64.00	Water, Gas, Torque an...	Confirm Action	0.00
13-2		115.02	27-01-2022 15:30:11	Decrease	105.00	Fluid Level est. < 10m...	Confirm Action	60.76
15-1		190.00	27-01-2022 15:30:20	Decrease	180.00	Step Test Down Reco...	Confirm Action	0.00
15-2		210.00	27-01-2022 15:30:00	No Action	210.00	Note: Below Min Draw...	Confirm Action	0.00
15-2		79.97	27-01-2022 15:30:05	No Action	79.00	Note: Below Min Draw...	Confirm Action	0.00



Case Study 8:

Smart Power Plant Monitoring Tool for GE's Aero-Derivatives Division



Enterprise Social Web App needed to be developed

Customer wanted end-users to collaborate over data coming in from Power Plant Equipment to increase engagement.



WonderBiz augmented the Dev team

Including Architects, Full Stack Developers and Test Engineers collaborating well with the onshore team to deliver ahead of time.



Product was released to stakeholders

Stakeholders were absolutely delighted with the User Experience of the product with repeat order to deliver another product.



15 people team



18 months schedule



Released in Feb 2014





Ashok Bajaj

Customer Experience Leader, General Electric

Case Study 8:

Smart Power Plant Monitoring Tool for GE's Aero-Derivatives Division



Great work to get to the key milestone for Release 1. It amazes me to see such **great progress in such small amount of time!** We were at the Customer site last week and the folks who saw the demo told us that – "We were thinking along these lines."

And here we already have working software that Customer is still thinking about!"





Case Study 9:

Customer Facing Web App



Customer facing Web App needed for monetization

Had the initial architecture in place but it was hard to get his bandwidth to implement features necessary for monetization



WonderBiz took over the Web App

Implemented features like Invoicing, Payment Gateway Integration, Doctor on-boarding, Messaging & Notifications & Admin



Pending

Quickly reached the Monetisation phase for the Customer paving way to Revenue and Market acquisition



8 people team



42 months schedule



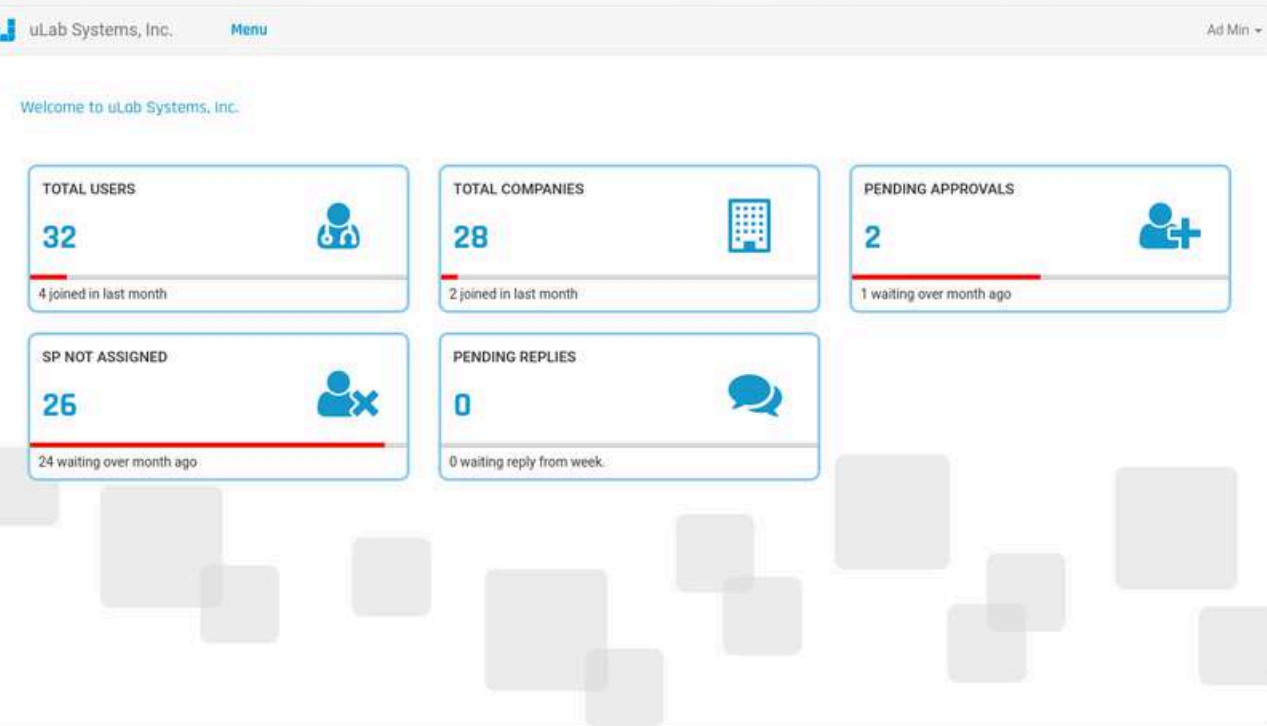
Product in production





Surya Sarva

Engineering Manager - ULab Systems



Case Study 9:

Customer Facing Web App



I am happy with the way the WonderBiz team is working out. They are able to **collaborate well** with our existing team and are able to make good progress. They **ask the right questions** and are able to move in to implement functionality with speed.

Initially, I was not sure of how the engagement would work out - there were teething issues as always. But now, it is clear that WonderBiz is able to add value.

Team WonderBiz is fantastic! They are often thrown in **unchartered waters** but manage to emerge better than before, displaying **exemplary grit.**"

More Products Developed...



University of North Carolina

Case Management System for Field Health Workers



Dream Weaver LLC

Mobile based Drug Track & Trace App for Serialization



Simity Inc (acquired by PayPal)

Initial prototypes for Product Market Fit



Farmer Brothers

Retail Execution System for Coffee Manufacturer



Activity Hero

Move to Responsive for after-school activities Marketplace



Times Of India

Mobile based Lead Capture Tool for Auto Expo Exhibition



Asian Paints PPG

Mobile based Distribution System for Paint Formulation

And
More...



Kendall College, Chicago

Bus Tracker Portal



Messe Dusseldorf

Mobile based Exhibition App



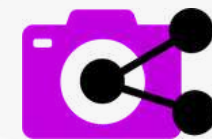
Dusane Infotech

Ticketing portal for small theatre owners



Glowe

Marketplace for Relocation Industry



Stitch

Mobile based Photo sharing product



Geopops

Location based marketing App



Grad Ltd

Psychometric test based recruitment portal



Customer Value Product Manager



Great work, initiative and responsiveness from the WonderBiz team working on this new age exploratory work. This work stood out distinctly from rest due to innovation content and short cycle time.

Few of my US colleagues asked me in disbelief how was I able to achieve these results in such a **short time**? And, I told “We have worked with WonderBiz – a very **dynamic startup** company with **young minds!**” I am sure they will also be eager when they will think of something new.

Now expectations and the bar has been raised, we are working to scale even higher peaks together by converting these initial ideas to products!"

Sameer Kondejkar

Lead Product Manager
Schneider Electric



Shahid Ansari

Head, India Research Center
Schneider Electric

Customer Value

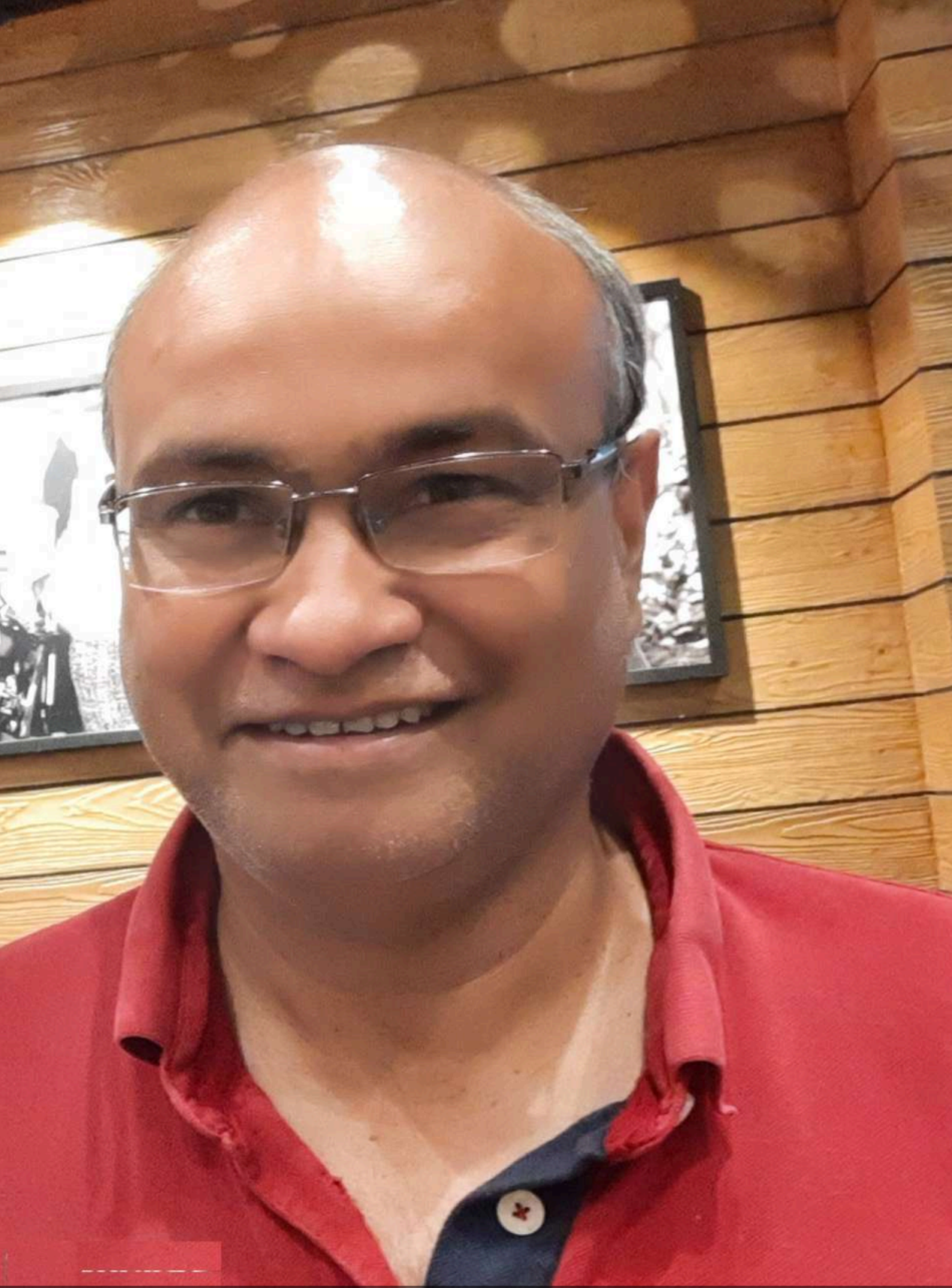
India Research Center Head



We always look forward to having great partners. We have a lot of different projects, sometimes unique in design and sometimes enhancements of existing design. When we were looking to build a **complex cutting-edge Machine Learning based Application** it came down to really one choice: WonderBiz.

We need a partner who could collaborate with our people, run a business with **collaborative culture**, open to **new ideas** and also bring sometimes **unique solutions** to the table to get the results.

WonderBiz team is a **great team** to work with - they listen well and come back with something **beyond what we expect**. This team is amazingly **passionate** and **cares** about what they do. They are the **dream partners** to have, I know I can trust them.”



Venkatesh Jagannath

Vice President R&D
Schneider Electric

Customer Value

Vice President Research & Development



The biggest positive working with WonderBiz is there was a **match of mental wavelength** between us and their management team. They understood **LEAN** principles, they were **uncompromising on quality** while bringing **speed and agility** to their execution capabilities. They also quickly **self learnt** the technology landscape and were able to rapidly develop proof of concepts.

Being a startup, they paid attention all across and took feedback positively and acted on it WonderBiz is now working with 5-6 different teams within my organization. They have been able to bring our **cutting edge ideas to fruition quickly** while contributing as a true development partner by **bringing in their own ideas** and speed of development which is what we look for in a partner...."



Venkatesh Jagannath

Vice President R&D
Schneider Electric

Customer Value

Vice President Research & Development



WonderBiz is a startup with the mindset of one. They bring a lot of **commitment, passion & energy** to the work they do. They are **customer oriented**, responsive to critical feedback & willing to work with uncertainties in the environment. They have a **leadership** & development team that is committed to **continuous improvement** and have been able to deliver to the ever increasing customer expectations. The management team is harnessing talent that are focused on the right behaviors of **openness, transparency & ownership**.

I would strongly recommend WonderBiz as a development partner for the following reasons: 1) They act and **behave as partners** and not suppliers 2) They bring the right levels of **talent & capability in newer** and cutting edge areas 3) Their team is committed and **go beyond the call of duty** 4) Finally, they are well led by a management team that has a strong value system that is **aligned with the Customer's values** and are responsive & sensitive to customer needs."