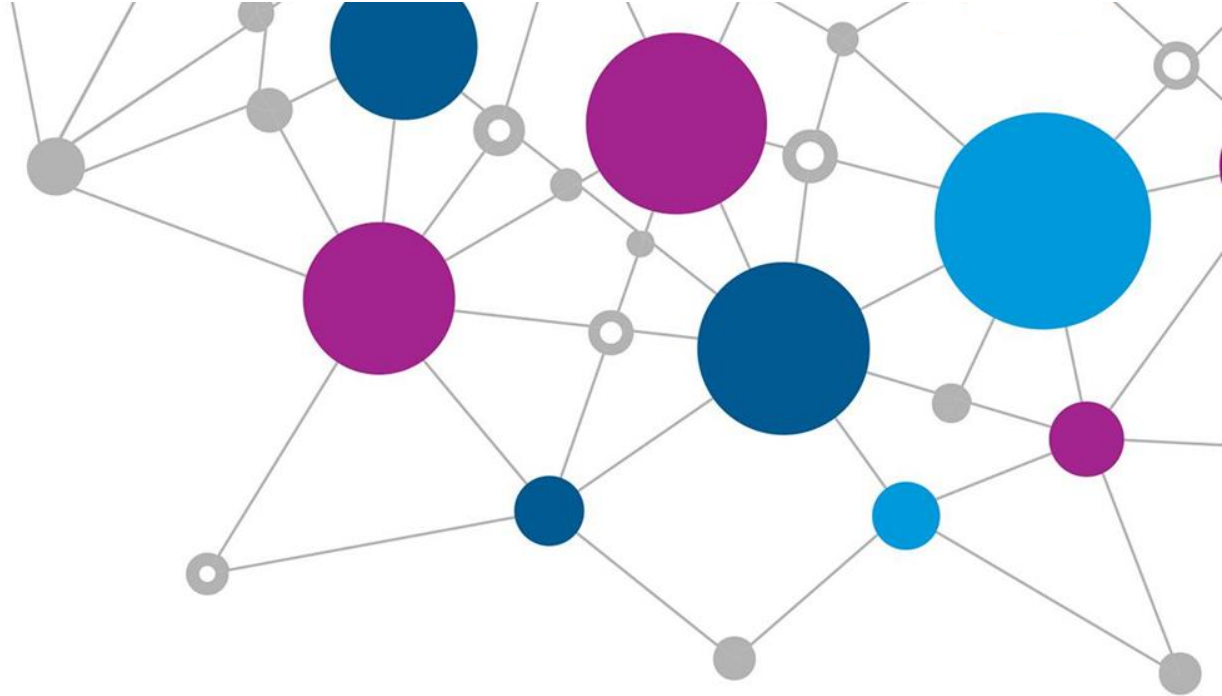


# Tech Curve AI & Innovations Co., LTD

**BOI Promoted Company**

**Naman – Co-Founder**

[naman@techcurve.co](mailto:naman@techcurve.co)



# Who We Are

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- Tech Curve AI & Innovations Co., Ltd is Sister Company of Neon Infotech SEA Co., Ltd
- Neon Infotech Co., Ltd was established in 2000 and is a BOI Promoted Company
- We are a BOI Promoted Company.
- A software development & IT Solutions Company
- Head office based in BTS Asok, Bangkok, Thailand
- We are a team of
  - Software Engineers/ IT Engineers/ Digital Marketers/ SEO Developers
  - CFD Engineers/ Chemical Engineers / Mechanical Engineer

# Our Mision

---

- To be one of the leading and most trusted name in providing competent and competitive Engineering IT software solutions, Automation & Integration and engineering Simulation Software & services.



# Our Vision

---

To enable clients maximize their business success and make the most from Software solutions; we stick to the following principles in delivering our mission:

- **Understand our customer**

We, understand the needs and requirements of our customer and deliver right solutions to resolve their needs and thus realize your full potential.

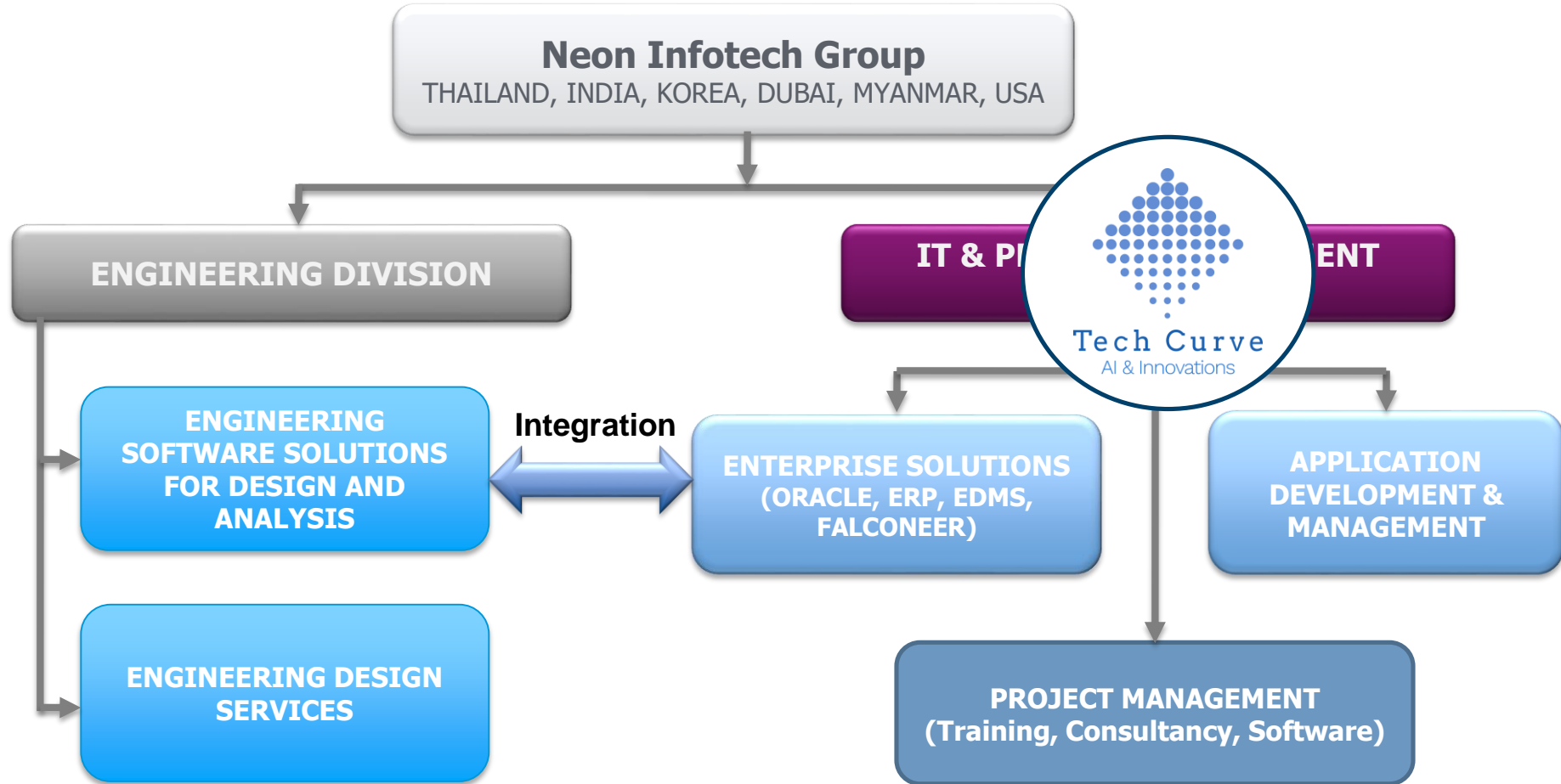
- **Know-how**

We knows how to use technology that meets your requirements and satisfies your business needs, developing and implementing exactly what you need.

- **Employ advantages of outsourcing**

A large number of companies have already taken advantage of outsourcing. We make outsourcing benefits work for your business so that you can look at areas with your core competencies.

# Our Vision



# Customer Base



# Tech Curve

Digital  
Services

IT Solution

Sophisticated  
Technologies

Engineering  
Service  
Software

**Digital Services**



CakePHP

Magento®

ZEND  
FRAMEWORK

shopify

CodeIgniter

amazon  
web services

Laravel

iOS

php

ANDROID

Tech Curve  
AI & Innovations



Development Services



Design Services



Consultancy Services

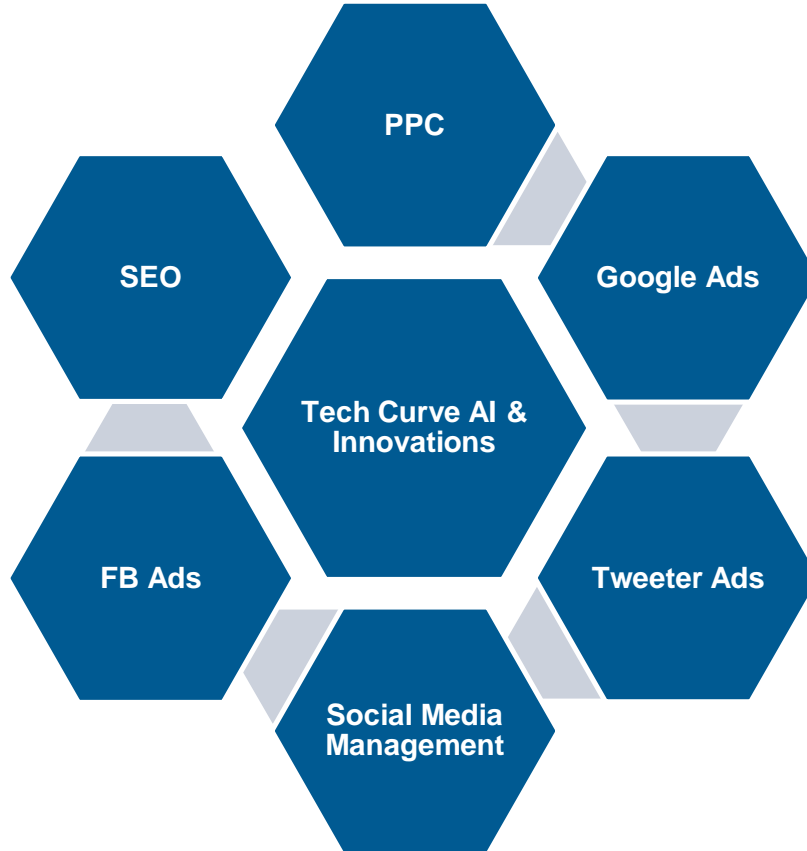


Seo Services

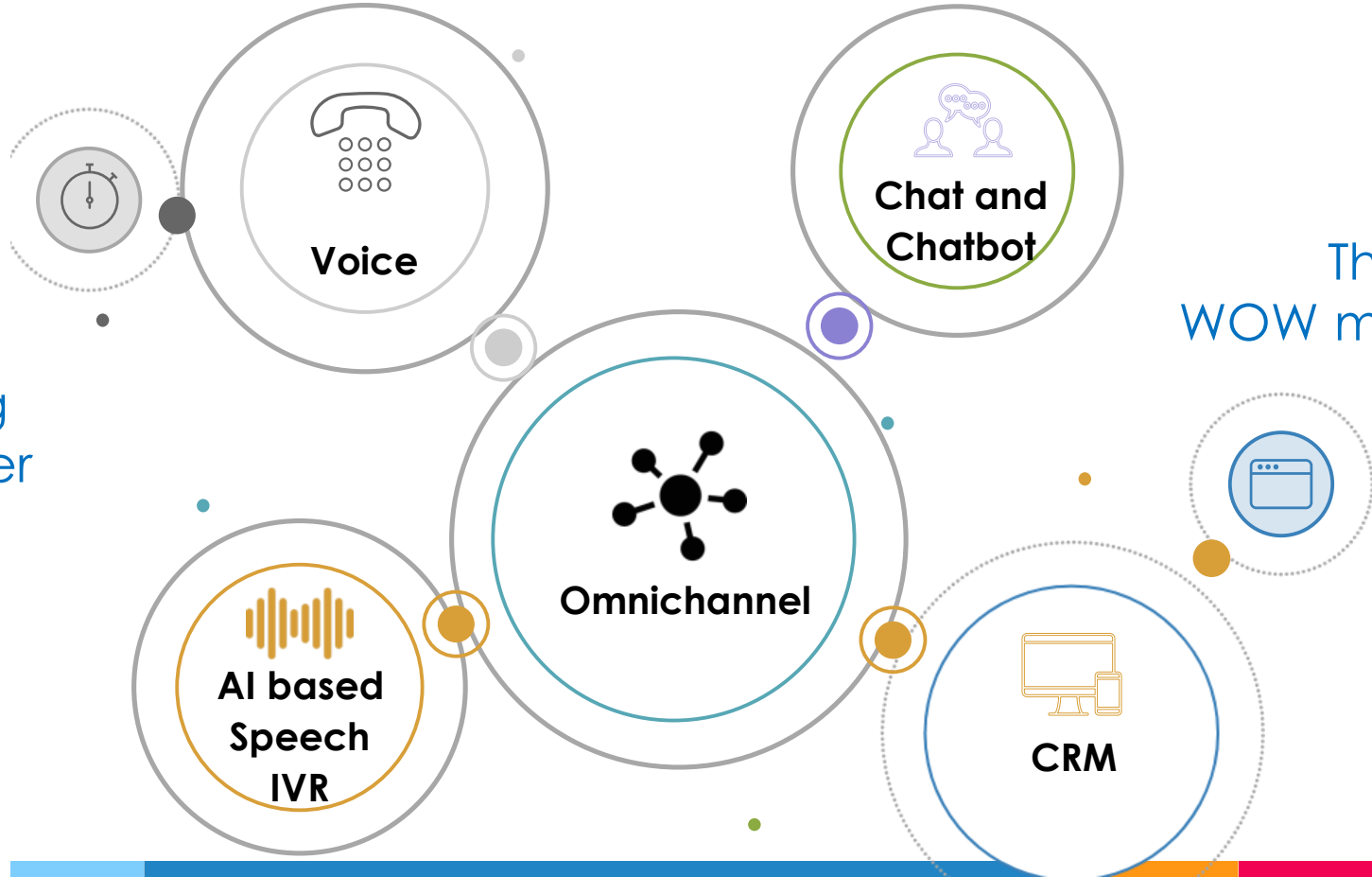


Frontend Services

# Digital Marketing



# Domains: CRM & Ticketing System

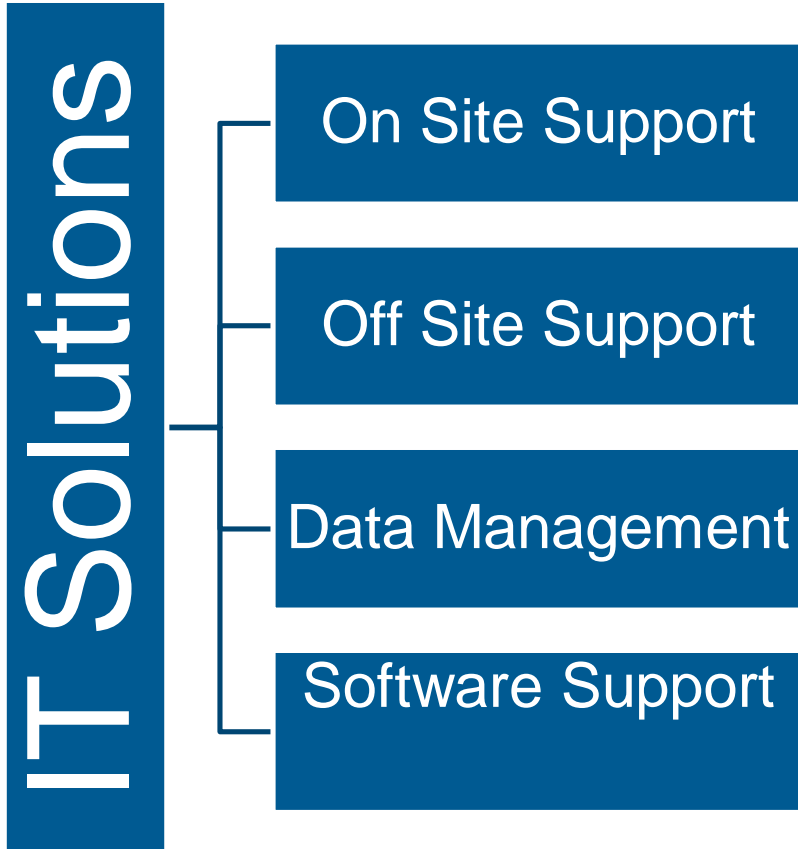


Building  
together

The  
WOW moments

**IT Solutions**





- Pro-Active support
- Anti-Virus/Spyware/Adware control,
- Program management (removing non-business applications),
- System Updating (to minimize problem from security issues),
- Disk performance and cleaning (to increase machine performance) etc.
- There are other key areas also.

# Domains: IT Solutions



## Business Application

Affordable, scalable business software applications that help simplify your work.



## IT Solutions/Projects

On-time, cost effective IT solutions that deliver measurable results you can trust.



## IT Support/Maintenance

Comprehensive IT Support Services to ensure your devices stays protected and updated.



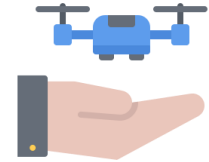
## Cloud/Web Hosting

Fast, reliable servers with redundant networks to provide the best performance and server uptime.



## IT Procurement

Best in class hardware and software pricing with free consultation and requirement assessment.



## Remote Support/Helpdesk

Fast, responsive outsourced IT Helpdesk solutions that helps reduce service disruptions and improve user satisfaction.

# Domains: Sophisticated Technologies

## ***Focus on Your Business and Not Your IT Issues***

At Tech Curve, we provide systems design, onsite implementations, systems upgrades, migrations, as well as maintenance support as a part of our continual effort to keep your IT infrastructure, applications protected and updated.



### **IT Consulting**

We help client design and implement solutions in IT governance, security, applications, data management and compliance with experienced consultants that help drive business growth.



### **System Integration**

Whether you are setting up a new office, extending existing network or upgrading your IT infrastructure, our team of IT professionals can help you to achieve your goal.



### **IT Maintenance & Support**

We provide systematic, proactive & on-time maintenance support for your servers, network and workstations, keeping you worry free and satisfied.

**Automation  
&  
Integration**





# xpi Integration Platform

# Integration Partners & Certification

Technology /  
Mobile Partners

**Microsoft**



salesforce | AppExchange Program  
**PARTNER**

Advanced  
Business  
Partner



spa  
**SILVER PARTNER  
SAMSUNG  
ENTERPRISE ALLIANCE  
PROGRAM**

**ORACLE** Platinum  
Partner

**SUGARCRM**

perceptivesoftware  
from Lexmark



# Domains: Automation & Integration

Sync. Streamline. Scale.

With a code-free, low maintenance approach, Magic xpi integrates all of your business systems on the cloud, on-premises or in hybrid deployments so your company can maximize its opportunities.



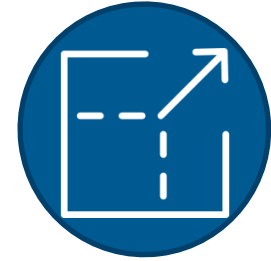
## One Centralized Platform

Connect and control all of your data flows from a single platform for maximized productivity, business continuity and organizational efficiency.



## Process Automation Simplified

With the speed and consistency that comes from automating your business processes, you'll be able to eliminate repetitive, manual tasks.

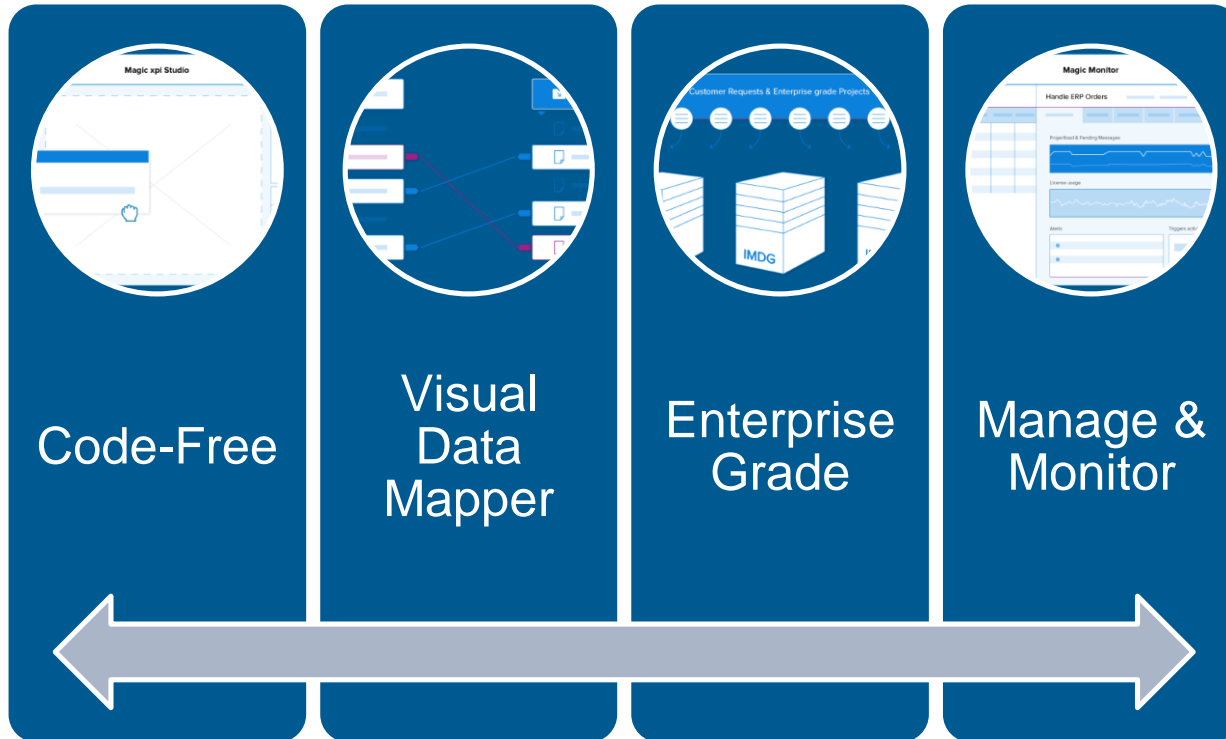


## Future-proof Solutions

Our integration platform keeps your connections up to date throughout your application's lifecycle so your business needs are never interrupted.

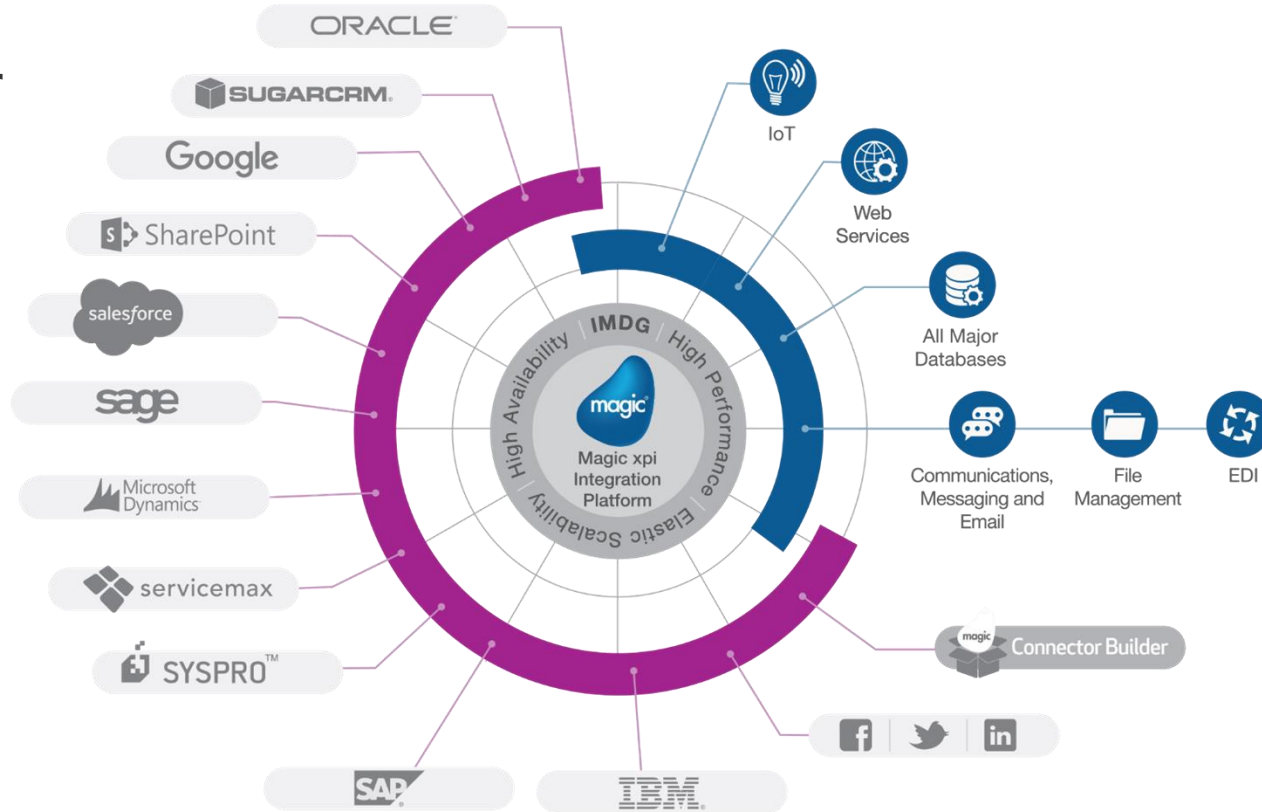
# Domains: Automation & Integration

## Your Complex Task Simplified

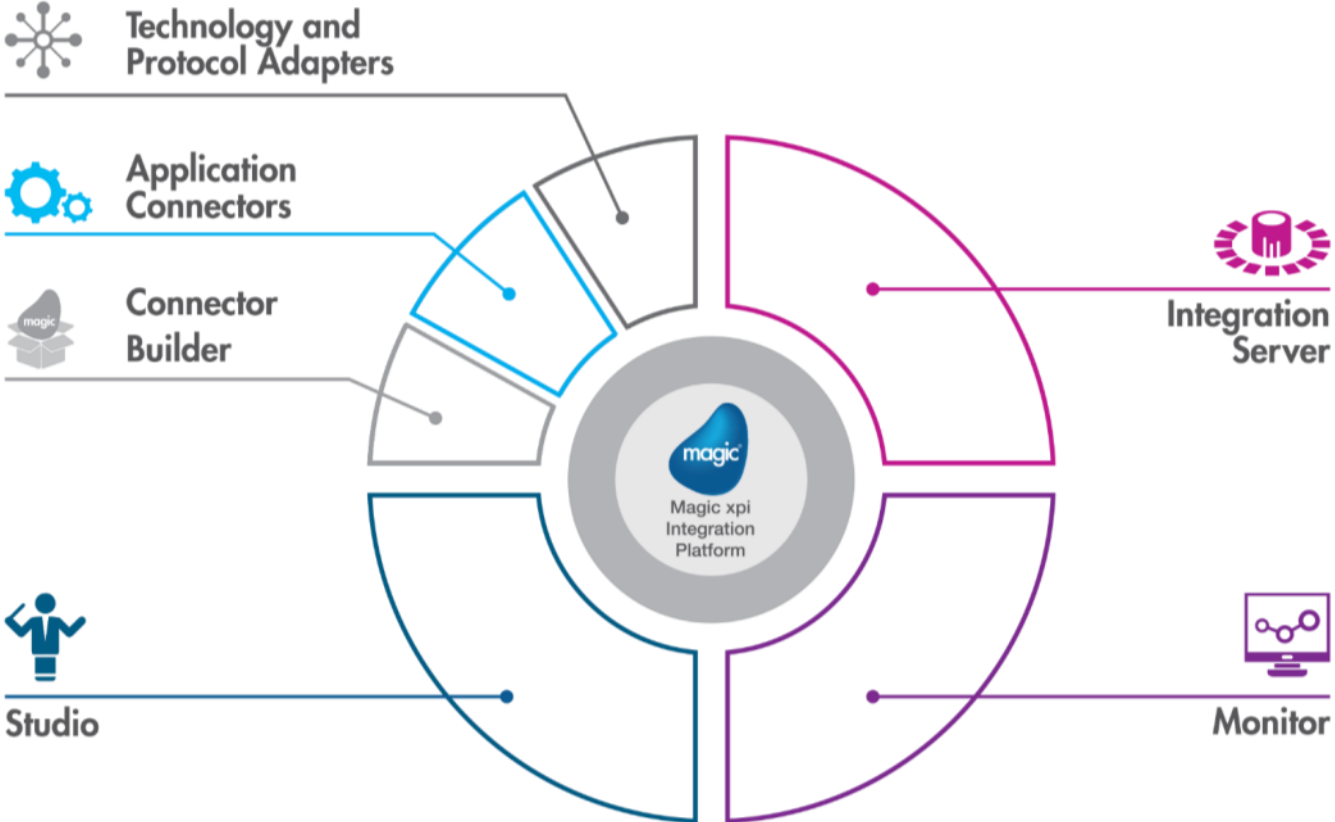


# xpi Positioning












































































It's All About Your  
Connections



# xpi suite



# xpi Studio: Components

 Abort Flow	 BAM Utility	 Data Mapper	 Delay	 Directoryscanner	 dotnet	 dynamics_crm	 dynamicsAX	 dynamicscrm	 Email	 Enable Flow
 Encryption	 Excel	 Exchange	 File Archive	 File Management	 File Splitter	 Flow Data	 Flow_Data	 FTP	 Google calendar	 Google Drive
 h17	 h17intl	 http	 IBMi	 Invoke flow delay	 Invoke Flow	 Java Class Connector	 Jdedwards	 jdeworld	 JMS	 LDAP
 Lock	 MSMQ	 NOP	 notesdb	 Post Event	 PSS Publish	 PSS Remove	 PSS Subscribe	 PSS_Publish	 PSS_Remove	 PSS_Subscribe
 Refresh Conversions	 salesforce	 sap	 sapA1	 sapb1_88	 sapb1_2004	 sapb1_2005	 SAPB1_2007	 sapr3	 Save Message	 Schedule Flow
 Scheduler	 ServiceMax	 sharepoint	 SNMP	 SugarCRM	 system_i	 TCPListener	 UniPaas Magic xpa	 unipaas	 Unlock	 Validation
 Wait for Event	 WCF	 Web Service	 webservice	 WebSphereMQ	 Word	 XML Handling	 xmlhandling	 XSLT		

# xpi Capabilities

ESB  
ETL  
BPM

API  
Manager

IoT

Business  
Analytics

Enterprise  
Mobility

Cloud

IMDG  
High Availability

Connector  
SDK



# SUCCESS STORY

## Sennheiser Adopts a Sound Approach to Systems Integration with Magic xpi Integration Platform



### The Customer

High-end Consumer Audio Products

**Industry:** Manufacturing  
**Region:** Germany, Global



### Objectives

- Central platform for integration of entire software landscape
- Strong interfaces to support 24x7 global operations
- Simple, able to implement in-house, and cost-effective



### The Project

**Magic Solution:** Magic xpi Integration Platform, Certified Sugar Adapter and Oracle-Validated JD Edwards EnterpriseOne Adapter

- Connected Sugar CRM with existing JDE EnterpriseOne ERP
- Planning interfaces to: IBM Enterprise Content Management, CIM database, Lotus Notes and more



### Results

- Greater visibility into sales and operations
- Up-to-date information for better decisions and service
- Increased efficiency
- Fast IT deliveries to support business requests
- Robust, well-documented interfaces
- Because of stability and performance of system, migrating more interfaces



A user-friendly, metadata-based approach [has led to] faster IT delivery with robust and well-documented solutions. This is extremely important for a midsize company that requires an affordable and dependable solution."

*Klaus Höling, director of IT and group CIO*

**Data Analytics**

**&**

**AI**

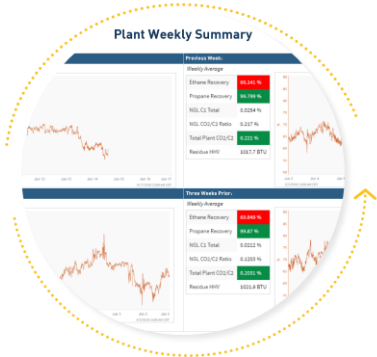


## Unifying Process Technology with Operations Technology for 'Actionable Insights'

- Advanced Analytics for Process Manufacturing Data
- Data cleansing and customization
- Investigate multiple data sources simultaneously (Historian, SQL database, Excel sheets, Python/ Matlab, etc.)
- Knowledge capture & Journaling
- Reporting & Collaboration
- User-based licensing (not tag-based)

## Descriptive

What happened?



### Benefits

Near real time profitability analytics to inform decisions on maintenance schedules

## Diagnostic

Why did it happen?

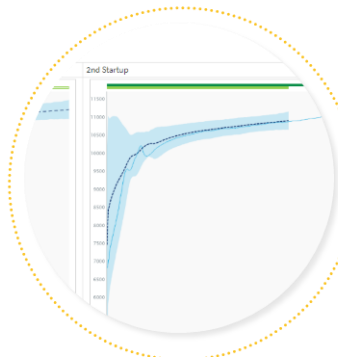


### Benefits

Avoided downtime and affiliated losses of \$100k per day per well

## Monitoring

What is happening?

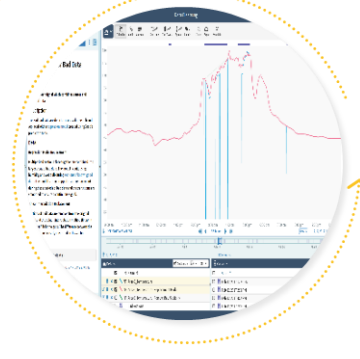


### Benefits

Providing 12 hour notice of sewer pump outages to ensure safe harvests

## Prescriptive

What should happen?



### Benefits

Evaluate options to make decisions that optimize outcomes

## Predictive

What will happen?



### Benefits

Revenue increase by maintaining nearly 100% uptime at lower cost



**Engineering  
Software  
&  
Service  
Simulations**



# Our Partners

---



**Revenue:** 44 million USD

**Headquarters:** Newport Beach, California,  
United States

**Number of employees:** 230

**Revenue:** 230 million USD

**Headquarters:** Newport Beach, California,  
United States

**Number of employees:** 1,300

**Parent organization:** Hexagon AB



# MSC Software

November 29, 2019



# MSC Software was acquired by Hexagon AB in April 2017



## Press Release

Stockholm, Sweden, 26 April 2017

### Completion of Hexagon's acquisition of MSC Software

Hexagon AB, a leading global provider of information technologies that drive productivity and quality across geospatial and industrial enterprise applications, today announced the completion of the previously announced acquisition of MSC Software ("MSC"), a US-based leading provider of computer-aided engineering (CAE) solutions, including simulation software for virtual product and manufacturing process development. Completion of the transaction was subject to regulatory approvals and other customary conditions, which have now been obtained.

The acquisition strengthens Hexagon's ability to connect the traditionally separate stages of design and production – integrating real-world data generated on the production floor with simulation data to further improve a customer's ability to reveal and correct design limitations and production problems prior to manufacturing.

MSC has over 1,200 highly-skilled professionals in 20 countries. Its strong brand and reputation in industries such as automotive, aerospace and electronics spans more than 50 years.

MSC will be a fully owned subsidiary of Hexagon and operate under the division Manufacturing Intelligence.

#### Key Facts

- Purchase price of 834 MUSD on a cash and debt free basis (Enterprise Value)
- In 2016 MSC generated proforma sales of 230 MUSD, with strong profitability and a high percentage of recurring revenue
- The acquisition will further strengthen Hexagon's smart connected factory strategy to deliver enterprise solutions within manufacturing verticals
- The transaction is fully financed via bank facilities and Hexagon's net debt to EBITDA target of 2.5 will not be exceeded
- Non-cash PPA adjustments (Purchase Price Allocations) of approximately 10 MEUR related to impairment of overlapping technologies will impact the income statement during the first quarter 2017 and approximately 20-30 MEUR related to a revenue recognition adjustment of deferred revenue (haircut) will impact the income statement during 2017
- Cash transaction costs of approximately 2 MEUR will impact the income statement during the first quarter 2017
- Excluding haircut, MSC is accretive to Hexagon's earnings as of closing

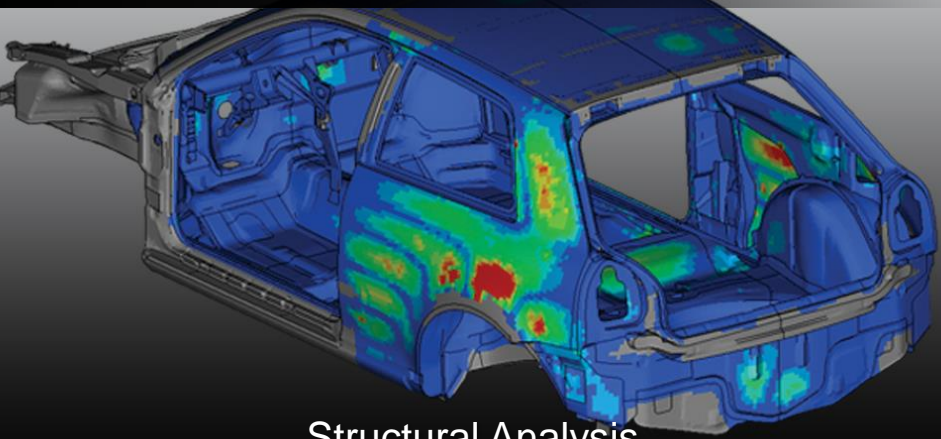


Where It All Began: The 10 Original Software Companies

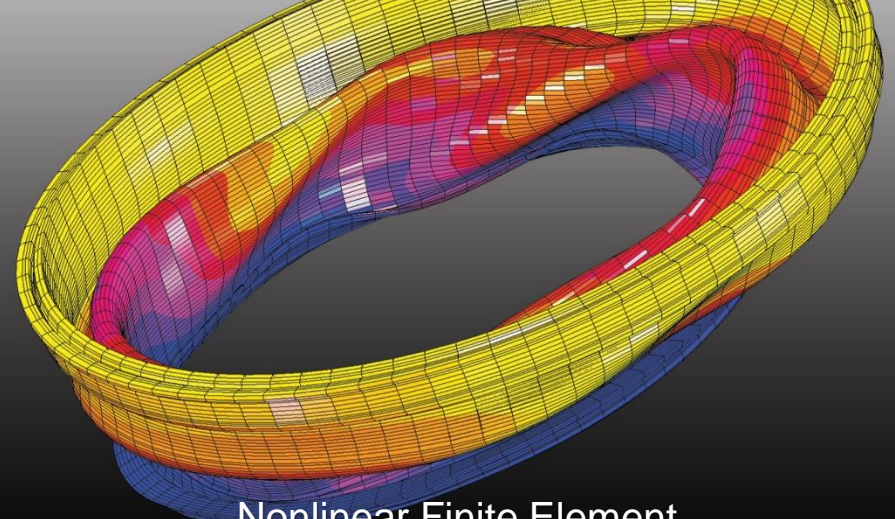
ORC, IBM, Lotus, CSC, Microsoft, Nintendo

- MSC has over 50 years of history dating back to the moon landings by NASA
- MSC is a pioneer in the Computer-Aided Engineering (CAE) sector with a large footprint and technology portfolio
- Trusted predictive design and engineering technology provider with strong history in the Automotive and Aerospace industry segments among many others

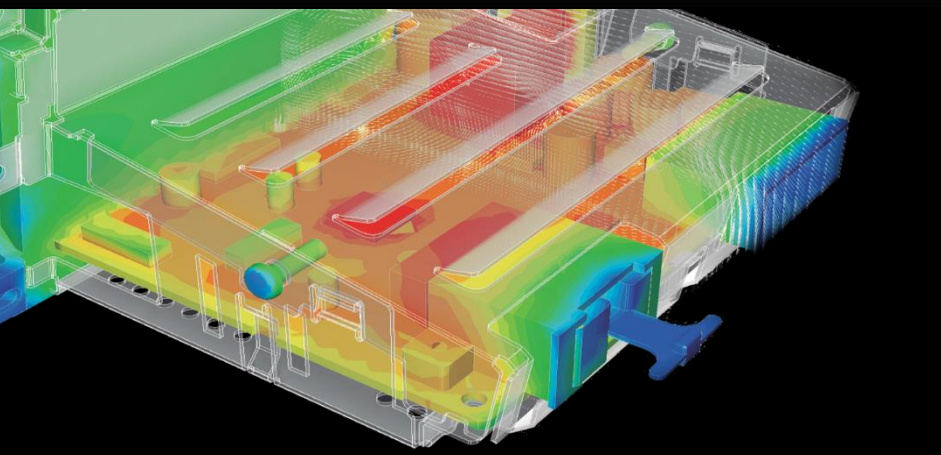
# MSC Software - Pioneering Innovation



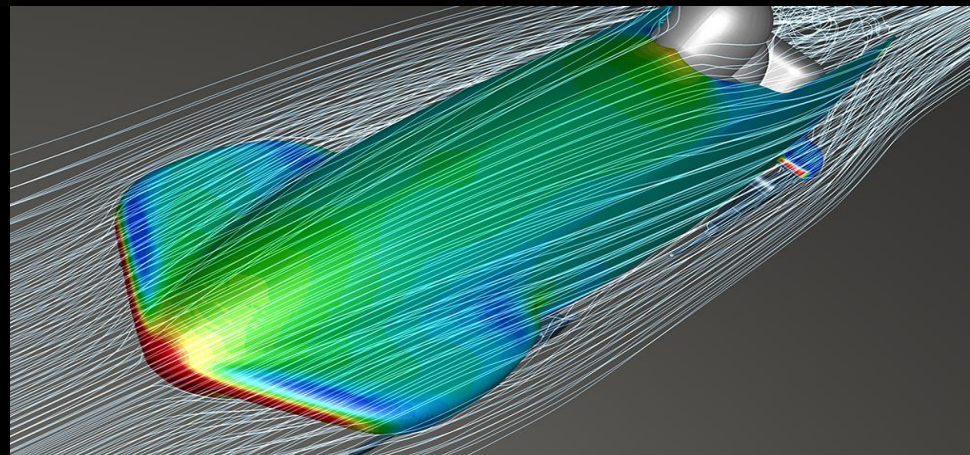
Structural Analysis



Nonlinear Finite Element

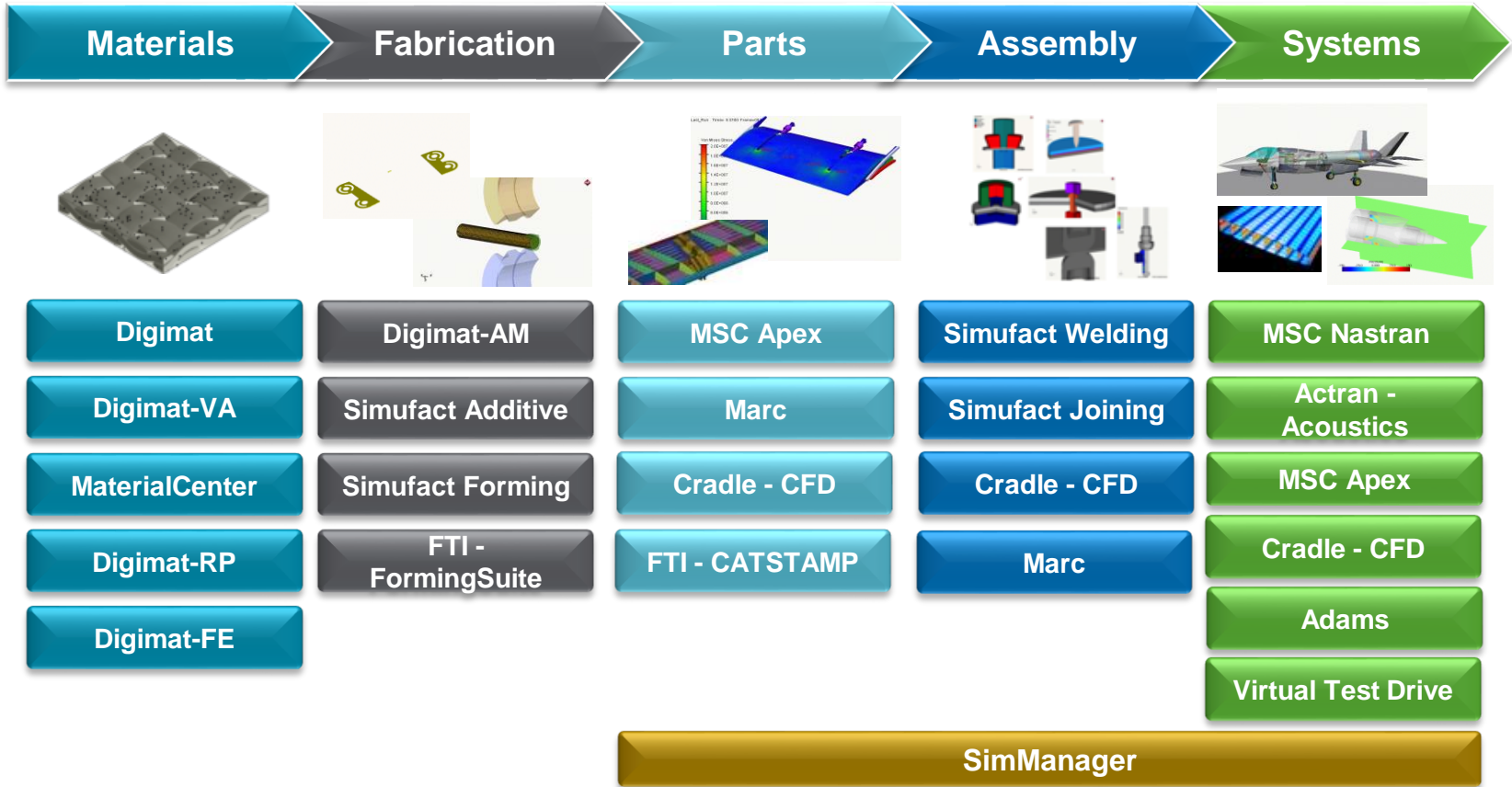


Thermo-fluid Analysis



Fluid-structure Interaction

# MSC Software Product Portfolio



# MSC Software's Productivity Tools

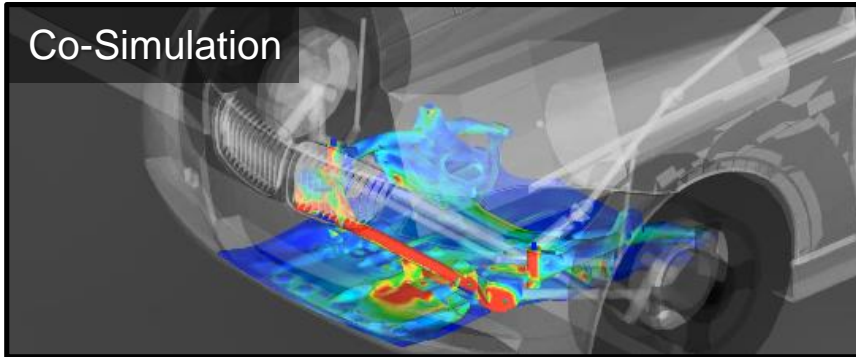
## Process Automation



## Machine Learning



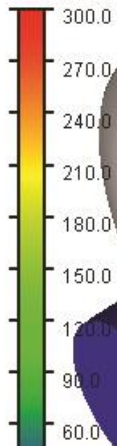
## Co-Simulation



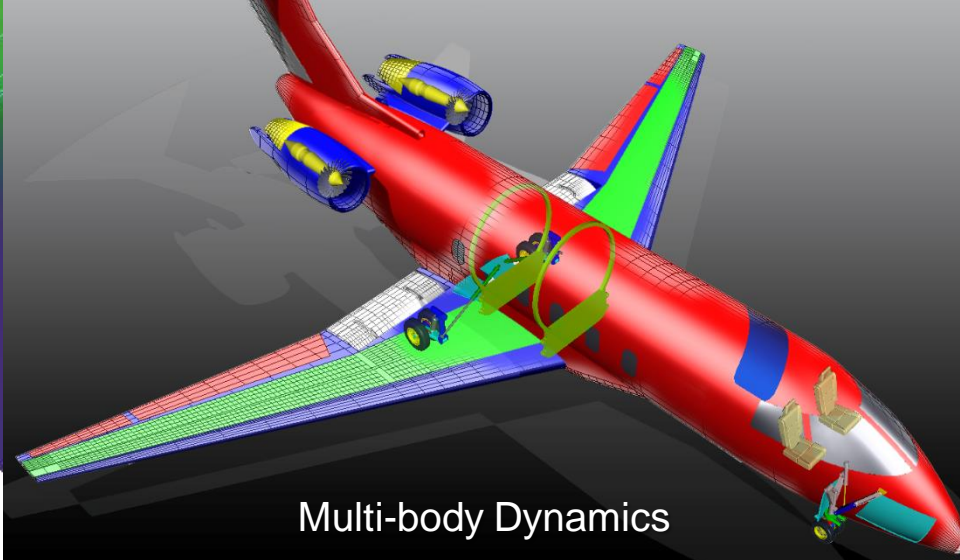
## Interoperability Across Simulation Tools



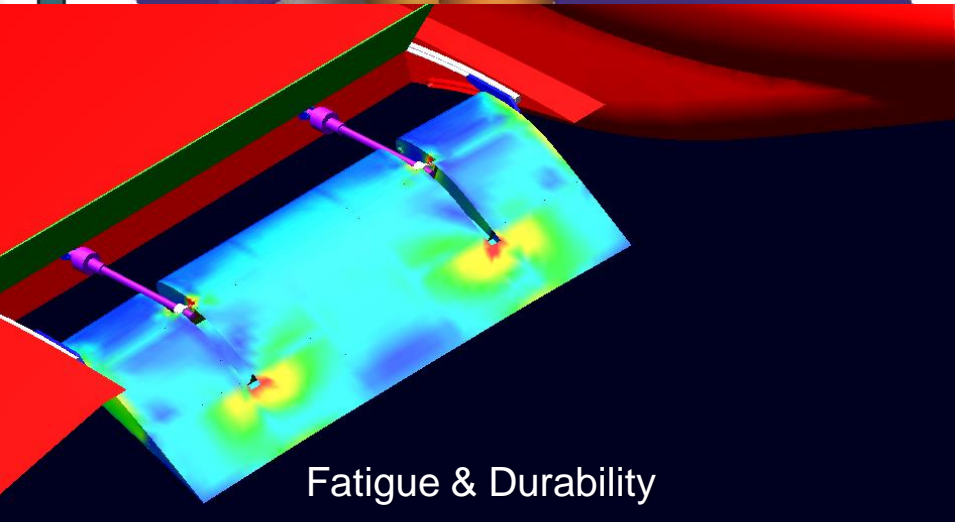
# MSC Software - Advancing Innovation



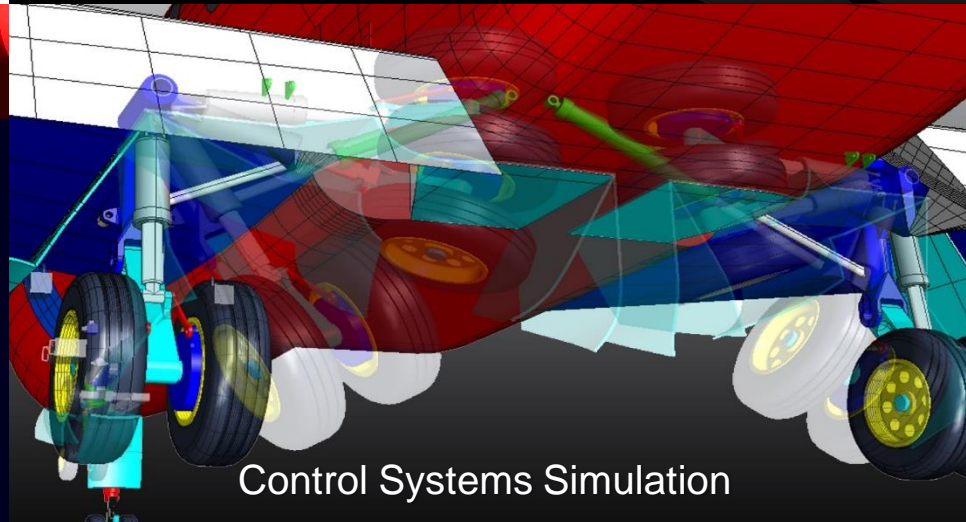
Multi-physics



Multi-body Dynamics

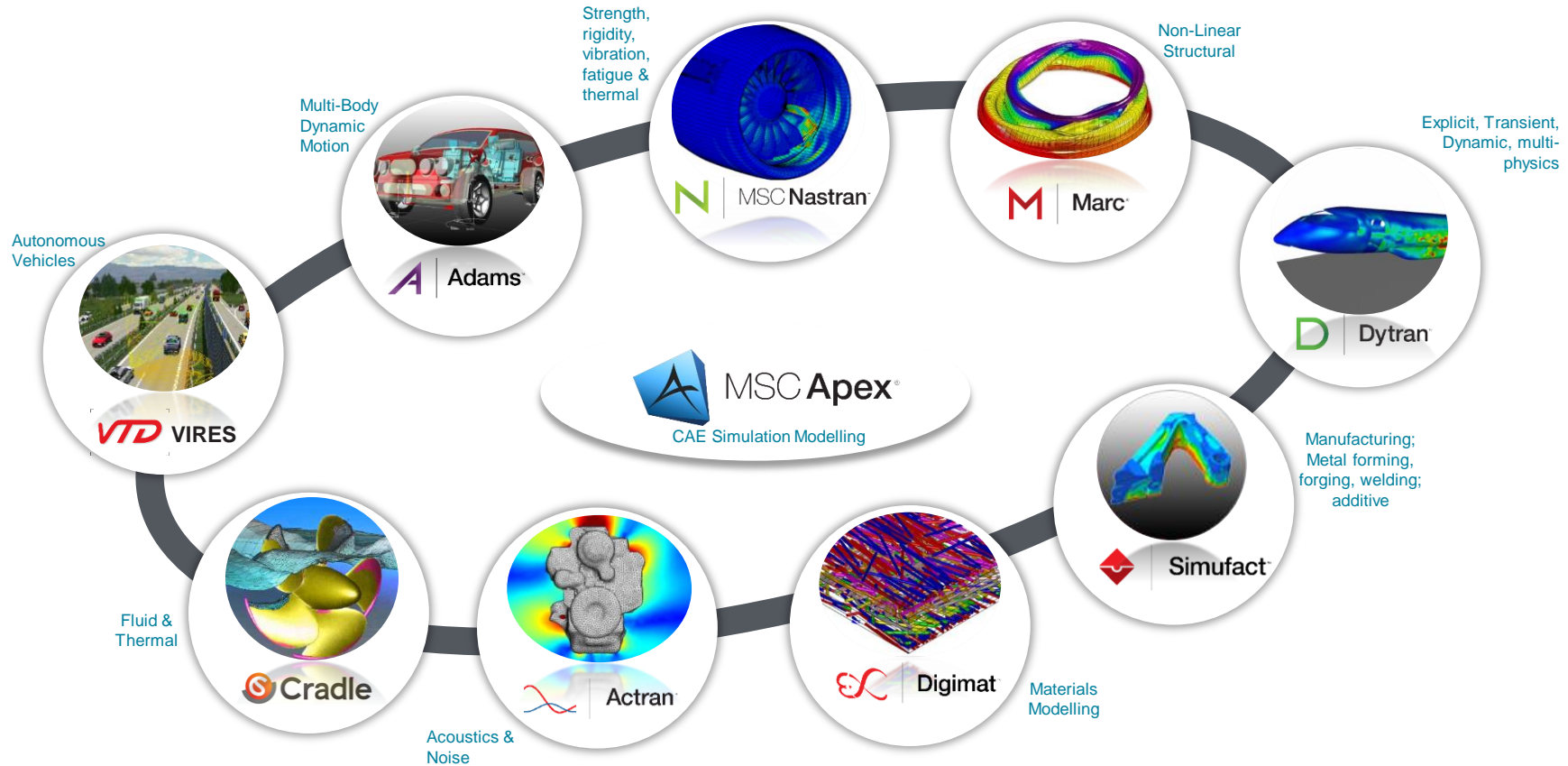


Fatigue & Durability



Control Systems Simulation

# MSC Software's Industry Leading Co-Simulation Capabilities

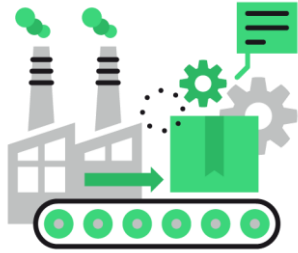


# MixIT Software

Classic technique for scale up

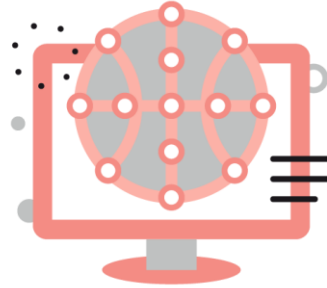
November 29, 2019





## Process Engineering Solution

The Process Engineering team at Tech Curve is composed of a team of expert Chemical and Mechanical Engineers servicing the process industry segment over the years in two key areas namely Process Development and Manufacturing.



## CFD Modelling And Simulation

The Success of a CFD analysis project is dependent on meshing approach and mesh quality. The Tech Curve team uses leading tools such as Gambit, Tgrid, HyperMesh and the MSC meshing platform, so that “physics-relevant” meshes can be generated.



## Discrete Element Modelling

Tridiagonal offers consulting services for gaining enhanced process understanding and problem solving through DEM and coupled DEM-CFD simulations, experimental validation, prototyping services and preparing scale up/down guidelines.

# Summary

Let's build the unique solution together

6 partners  
around the  
globe

Supported  
by Neon  
Infotech

Support of  
more than  
1000  
Employees

Leading  
software  
company in  
Thailand

BOI  
Promoted  
Company



A low-angle photograph of two men in business suits shaking hands. The man on the left is wearing a light-colored suit, and the man on the right is wearing a dark suit. They are standing in front of a modern building with a grid-like facade. The lighting is warm and golden, suggesting a sunset or sunrise. The text "THANK YOU!" is overlaid on the left side of the image in a bold, blue, sans-serif font.

**THANK  
YOU!**