Development of auto routing algorithm

GES Global Equipment Services

1 **Problem Statement**
To develop a desktop based application for auto routing algorithm .The application was supposed to be used in electronic design application

Customer Profile	Global semiconductor equipment OEM
Industry Segment	Semiconductor test equipment
Headquarters	Japan
Global Presence	China, Korea, Taiwan, Singapore and Germany

2 **Uniqueness of the requirement**
Development of a application on a algorithm that was not commercially tested till then

4 **Value Delivered to customer**
The customer was able to successfully implement the concept to build a prototype application. Based on this application, the client was able to launch a new product line which is now commercially successful .

3 **Solution delivered to the customer**
A sophisticated algorithm that effectively met the performance parameters set by the client.

Technologies	VC++
Tech Areas	GUI, algorithms, analytics
Engagement	Offshore + Onsite

GES did a extremely good job in supporting us in implementation of an algorithm which otherwise was not commercially tested. Their ability to convert a concept in a R&D publication into a practical solution was commendable.

Development of chemical process simulation

1

Problem Statement
The need was to develop a simulation package (software) that could simulate a particular chemical process used in the electronic industry

Customer Profile	Global semiconductor equipment OEM
Industry Segment	Production and FPD equipment
Headquarters	Japan
Global Presence	US, Taiwan and Singapore

2

Uniqueness of the requirement
The project required an in-depth understanding of the chemistry behind the process and the substantial expertise in algorithm development

4

Value Delivered to customer
An extended team with capabilities on a par with the in-house team of the client supporting the development of the product end-to-end. This enabled the client to complete development in a competent timeframe

Technologies	C# and WPF
Tech Areas	GUI, algorithms, analytics
Engagement	Offshore + Onsite

3

Solution delivered to the customer
A very comprehensive simulation package with <u>rich GUI, complex algorithms and intelligent data analytics capability</u>

> It was indeed a strategic risk taken by us by having an extended team work out of India in this project. The domain expertise of GES combined with its algorithm and software development expertise were key in this product getting launched in time.