



Development of Operations and Process Control system for SIBCO



Being a leader in architecting OPC solutions, TalentPace had taken the challenging task of optimizing the processes in LTCC line of semi-conductor manufacturing for SIBCO.

Customer Profile

Founded in 1989, SIBCO is an engineering leader with worldwide activities in the back-end of semiconductor technology substrate manufacturing.

Head quartered in Hong Kong, SIBCO is regarded as a leader in back contact solar module technology as well as advanced module design and manufacturing micro-wave modules. Over 20years experience in manufacturing multi layer cofired ceramic substrates and modules including RF and MW designs, SIBCO is now evolved into PV / Solar cell and module manufacturing giant with in LTCC.

Business Scenario

- Being a high-tech manufacturer, SIBCO was seeking to bring substantial improvements to their Operations processes integrated with real time data ensuring smooth clean room processes, product quality and control.
- A factory with multiple units of manufacturing wanted to connect all the units, making data visualization, monitoring, control and analysis easier than it had ever earlier.
- Desired to develop a solution ensuring smooth and seamless workflow to communicate industrial equipment and systems help reducing cycle times, and decrease in material waste.

Solution Delivered

- TalentPace team assessed the client's operations and architected an SOA based windows application enabling cleanroom operators meeting production goals of each line.
- Provided robust, scalable and secured architecture and developed the entire system in a quick turnaround time.
- Successfully countered the challenges with our well established delivery model, methodologies and end to end application development lifecycle as per the CMMI framework.

Business Benefits

- Our solution provided the ability to integrate information from a broad range of equipment and systems bringing high visibility with unified and standardized communications across the LTCC line of manufacturing.
- The in-built and real time data analytics helped all the product lines respond quickly to line stops, and get the lines operational much faster than before.
- Our solution had demonstrated substantial improvements in productivity and predictability of manufacturing flaws and helped arriving at quick decision making.
- Helped minimizing manual intervention of tracking the cleanroom processes with increased control on the overall production line.
- High resolution and graphical interface with flexible file management functions enabled cleanroom operators performing more functions at machine level.
- The flexible platform and availability of thin clients with remote capabilities made real time data available anywhere in the plant.

Technologies

- ASP.NET MVC
- C#
- WebServices
- HTML5/CSS3
- SQL Server



TalentPace was instrumental in engineering an OPC solution for us to optimize the complete cleanroom processes in a LTCC line of semiconductor manufacturing business. The way they have adapted the entire processes and transforming them into a reliable solution made me very impressed. Whilst I was anxious when we signed a relatively new off-shore company, it was TalentPace with their relentless skill proved everything right for us and delivered a robust solution. Overall we are very happy with TalentPace team.

Ton Schless

Chief Executive Officer
Sibco China

About TalentPace

TalentPace is a leading new generation information technology and global consulting services company delivering IT enabled solutions to the customers from across the geographies. Deep industry experience combined with customer centric approach makes TalentPace a remarkable partner in successful business outcomes. Our strong commitment and demonstrable capabilities TalentPace always delivered measurable and sustainable services to our customers. For more information, please visit www.talentpace.com or write to us at info@talentpace.com

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