

**Client Background:** The Client is a leading front end equipment manufacturing Company.

## Background

Consistency of recipe creation is critical within a fab. It was decided to develop an application to manage and control recipes in a fab and re-use across all tools. Purpose of this solution was to store and retrieve recipes. The solution contained a powerful set of capabilities to provide a group of users secure recipe management functionality.

## Objectives

The objective of this product is to provide a comprehensive corporate solution for generic recipe management to be made available for -

- Provision of a Centralized and generic Recipe Management System
- Implement SEMI E-42 standard
- Provide recipe versioning, recipe security and recipe sharing across all tool types
- Improve performance of recipe management of the client's existing customer Client setup
- Provide a consistent system wide approach, and a unified product
- Browser based Client UI, for simplified recipe management, from any where on the customer Intranet.
- Provision of a recipe translation and extraction service to various tools.
- Integration with emerging and existing products of the Client.

## Solution

The success of this product was dependent on integration with current tools and clients' legacy code. The whole product development was phased out based on the tool group requirements and also to ensure control and maintainability. The entire project was developed and tested at HCLT Chennai. The onsite team handled the requirements and client co-ordination. Since the primary customer for this product was all tool groups, it became necessary to setup an application engineering group to service client's customer in all corners of the world.

The success to this product is in the form of integration with many tools. So the challenge started from the implementation of E42 implementation and integration with the current tools and clients legacy code. The whole product development was phased out based on the tool group requirements and also to ensure control and maintainability. The entire project was developed and tested at HCLT Chennai. The onsite team handles the requirements and client co-ordination. Since the primary customer for this product is all tool groups, it became necessary to setup an application engineering group to service client's customer worldwide

## Benefits to the Client

- An E42 compliant generic application for Recipe Management
- Ability to perform remote recipe management, distribution and creation
- To improve recipe re-usability, sharing and availability
- To manage multiple versions of recipe effectively.
- To reduce cost-of-production
- To have a common application UI
- To improve recipe ease of use across all tools in a fab
- Secured recipe management in a fab



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