



2017 May Case Study

Material Cost Reduction Strategy that Delivered Benefits

David Leto, Senior Procurement Manager
Broadcom Limited, Wireless Semiconductor Division

www.cmcfabs.org
cmcinfo@Techcet.com



Case Study Introduction

Broadcom uses significant volumes of solvents in its processes. This project was started to reduce the hazardous shipments and the costly disposal associated with them. The reduced purchase of virgin material and cost reduction were by-products.

Case Study Challenge

Provide recycled material to the processes that meets the original virgin material CoFA Specifications.



Case Study Approach

The original approach was to purchase a turnkey solution. Unfortunately, found that turnkey solutions did not meet purity requirements and thus Broadcom had to design and build its own distillation systems.

Case Study Results

Achieved 80% recycle capability at virgin material CofA specifications or better with N+1 redundancy due to supply chain limitations. This has resulted in significant reductions in hazardous waste shipments and significant cost savings.



Case Study Critical Success Factors

Due to the significant recycle volume capability, it was realized that back up virgin material could not be stored or secured in the event the systems went down. This led to a change in philosophy and realization that this was a critical system that was required for the Fab to run.

Case Study Lessons Learned

System demands forced Broadcom to design and build its own Distillation system.

Fortunate that the team began the project focused on reducing hazardous waste. If would have waited until supply chain issues forced the need, expansion would have been impacted due to the development time of the distillation systems.



Permission to Post on CMCFabs Members Only Password Protected Portal

- I am giving permission for TECHCET to post this presentation on the CMCFabs Members Only Password Protected Portal

Yes

No

If Yes, please confirm by typing your name below:

David Leto_____

Name *(actual signatures will be requested prior to posting)*