



a 200mm IDM customer

Wanted to improve system output...

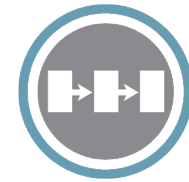
...until the complexity of
finding the real issue set in.



How can we extract
the **proper data**?



Is the problem
associated with
yield ramp?



Do we just need to
improve **process**
performance?

Then they discovered
FabVantage

To increase fab output, **FabVantage Consulting** conducted an equipment audit.
Findings include:

1

Chamber cleaning and seasoning routines were **not configured correctly**, causing them to run too often

2

Batches of wafers in process were being **interrupted** and were **not synchronized** with wafer loading and unloading

3

Each cleaning cycle took the system offline longer than necessary causing **additional wear** of the chamber components

Now they've uncovered hidden value

10 to 15%
output improvement

Simply changing the fab's **cleaning strategy** and **timing**—with no change to either the cleaning routine itself or the process recipe—gave an immediate 10–15% improvement in system output.

“The FabVantage consulting service is a response to the reality that improving tool uptime requires resolution of root cause issues causing particles, defects, and excursions, leading to excessive maintenance.”

Sanjiv Mittal, Vice President and General Manager, FabVantage Consulting Group



To get more out of your equipment, ask for a **FabVantage 360 assessment**, which uses analytical tools and the resources of Applied’s knowledge base to benchmark against industry best-in-class performance.

For additional information, contact haim_albalak@amat.com