INFICON

Inspired by visions. Proven by success.

Intro to FabGuard™ and FDC

Module FG 0100


Search for text in the presentation
Presentation script
Presentation thumbnails
Presentation outline
INFICON
Outline
Thumb
Notes
Search
Slide Notes
Welcome,
24 Minutes 0 Seconds Remaining
Slide 1 / 66 | Stopped
00:00 / 00:04
Presentation toolbar
PDF attachment

Purpose

In this module you will learn:

- How FabGuard extends classic metrology to provide robust fault detection using a process monitoring example

Objective

Upon Completion of this module, you will be able to:

- Understand where FabGuard integrates with the tool for process monitoring

- Know what types of signals FabGuard can collect

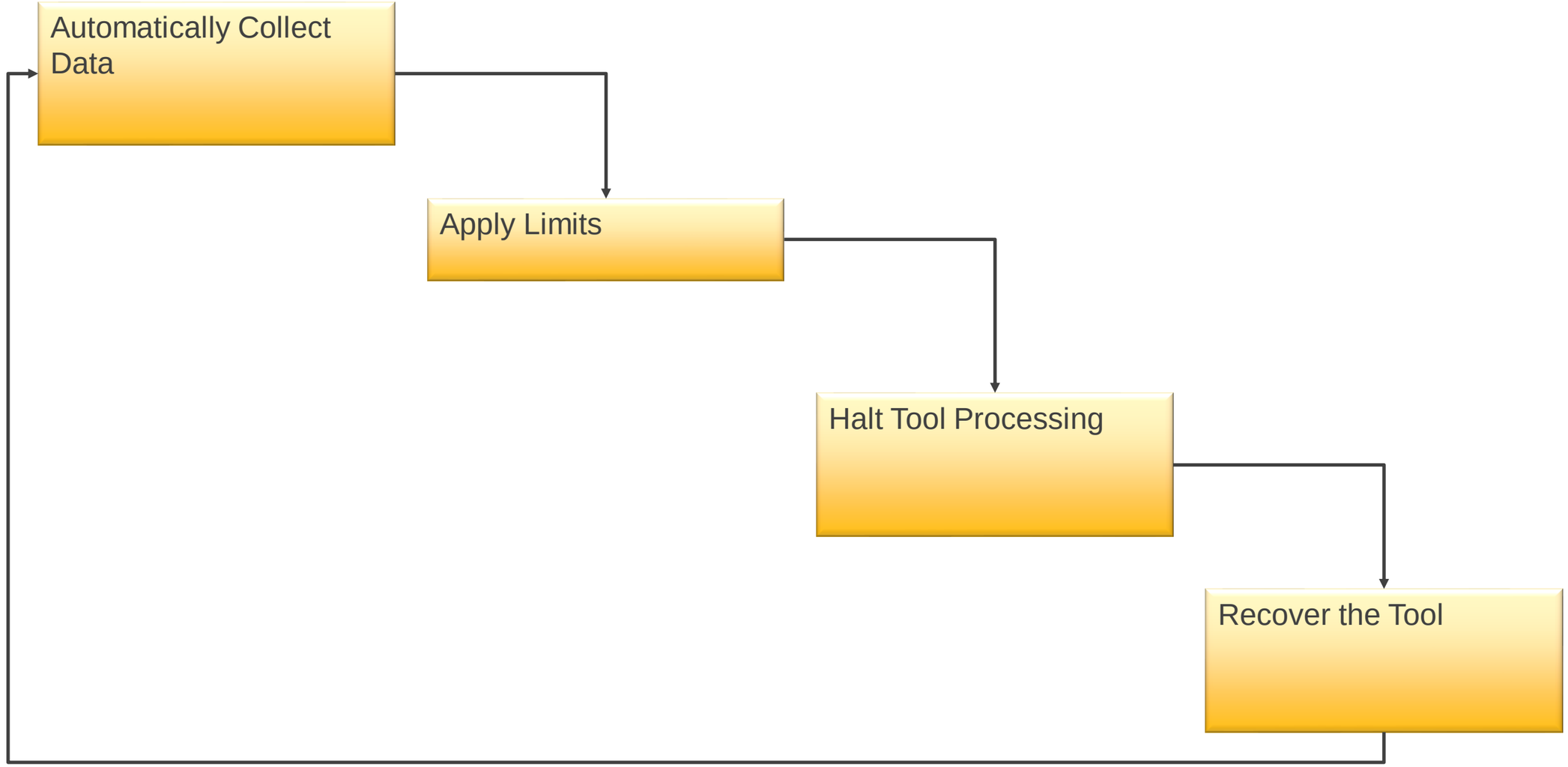
- Understand what components are needed to transfer a signal from the tool to a computer for processing

Outline

1. Process Monitoring Example
2. Process Monitoring Example with FabGuard
3. Signals and Processing
4. System Architecture

1 Process Monitoring Example

A Typical FDC System Will



Process Monitoring at RTP

High Sheet Resistance

Low Anneal Temperature

Burned Out Lamps

Lamp Replacement and Qualification

2

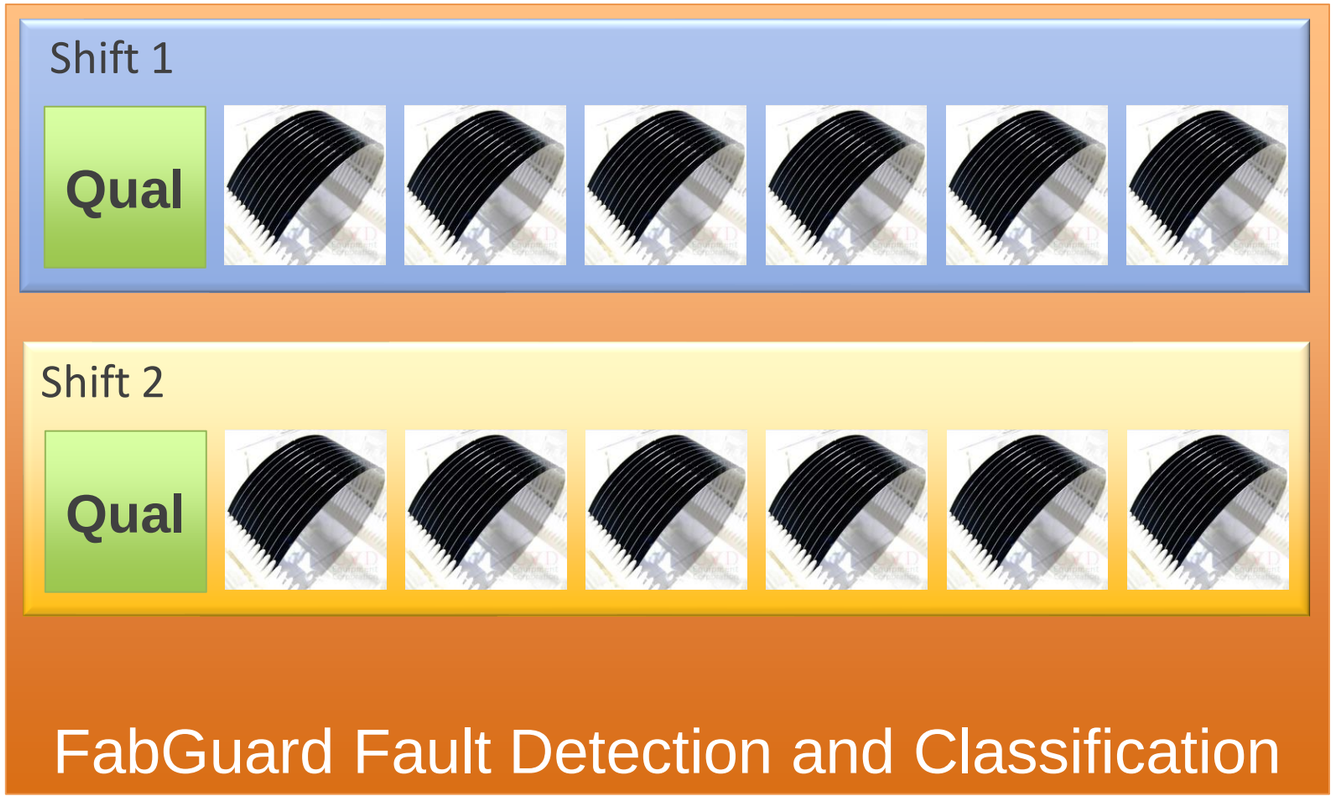
Process Monitoring Example with FabGuard

Where Does FabGuard Fit In?

Where Does FabGuard Fit In?

Where Does FabGuard Fit In?

Where Does FabGuard Fit In?



3 Signals and Processing

What Signals Can FabGuard Collect?

INFICON Advanced Sensors

- Transpector® family of RGAs
- RF/DC
- Sion™ RF Arc Detector
- RFS100
- ADC100
- Quantus™ LP/HP

Tool/Factory Communication

- SECS
- EDA
- Tibco RV
- OPC
- Serial
- Modbus TCP
- HTTP
- Custom File Import

Third Party

- National Instruments
- ICP DAS
- Brooks Instruments
- Horiba
- HYT
- Sensirion
- Edwards Pump
- Kashiyama Pump
- Toyota Pump
- AE Pinnacle
- TigerOptics HALO
- Climent CI-500

Creating Factory Intelligence

Signals

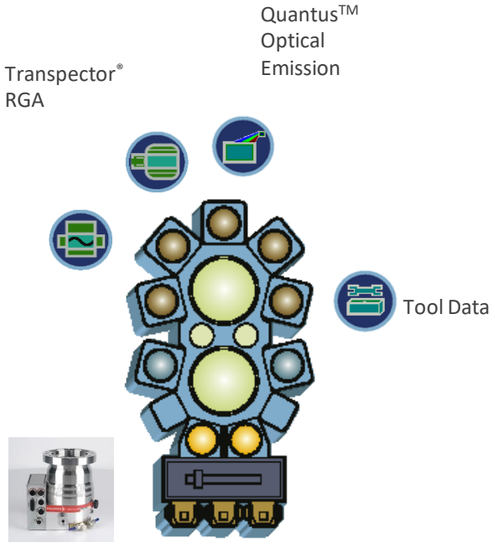
INFICON RGA
INFICON Sion™
Tool
Communication

Factory Intelligence

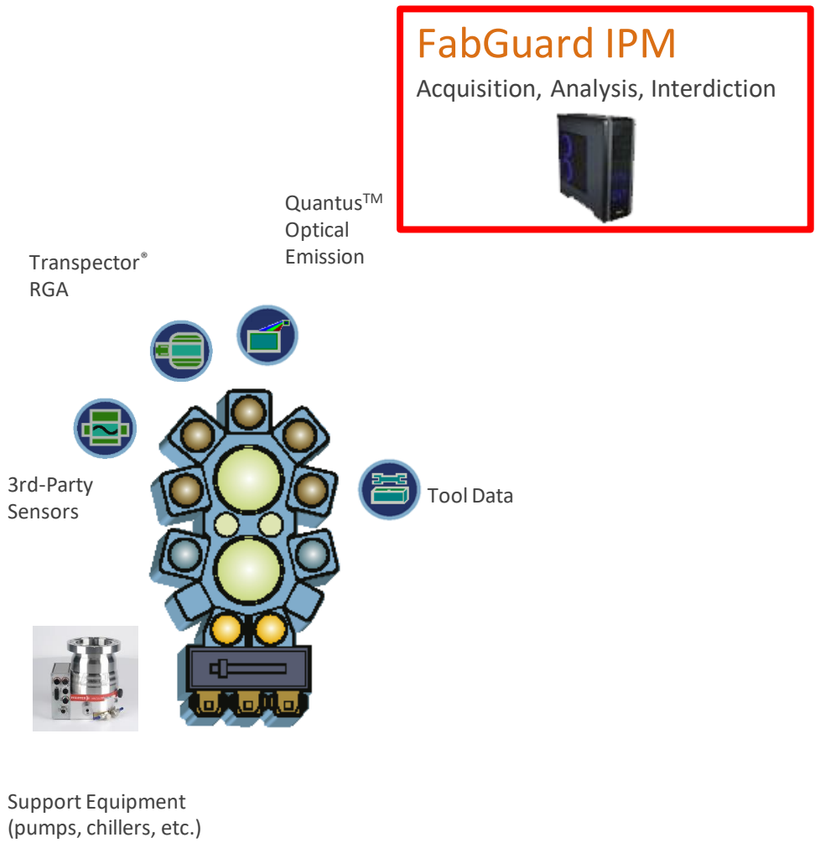
Leak
Arcing
Interruptions
Throughput
Processes
Alignment
Alarms
Statistics
PM Status

4 System Architecture

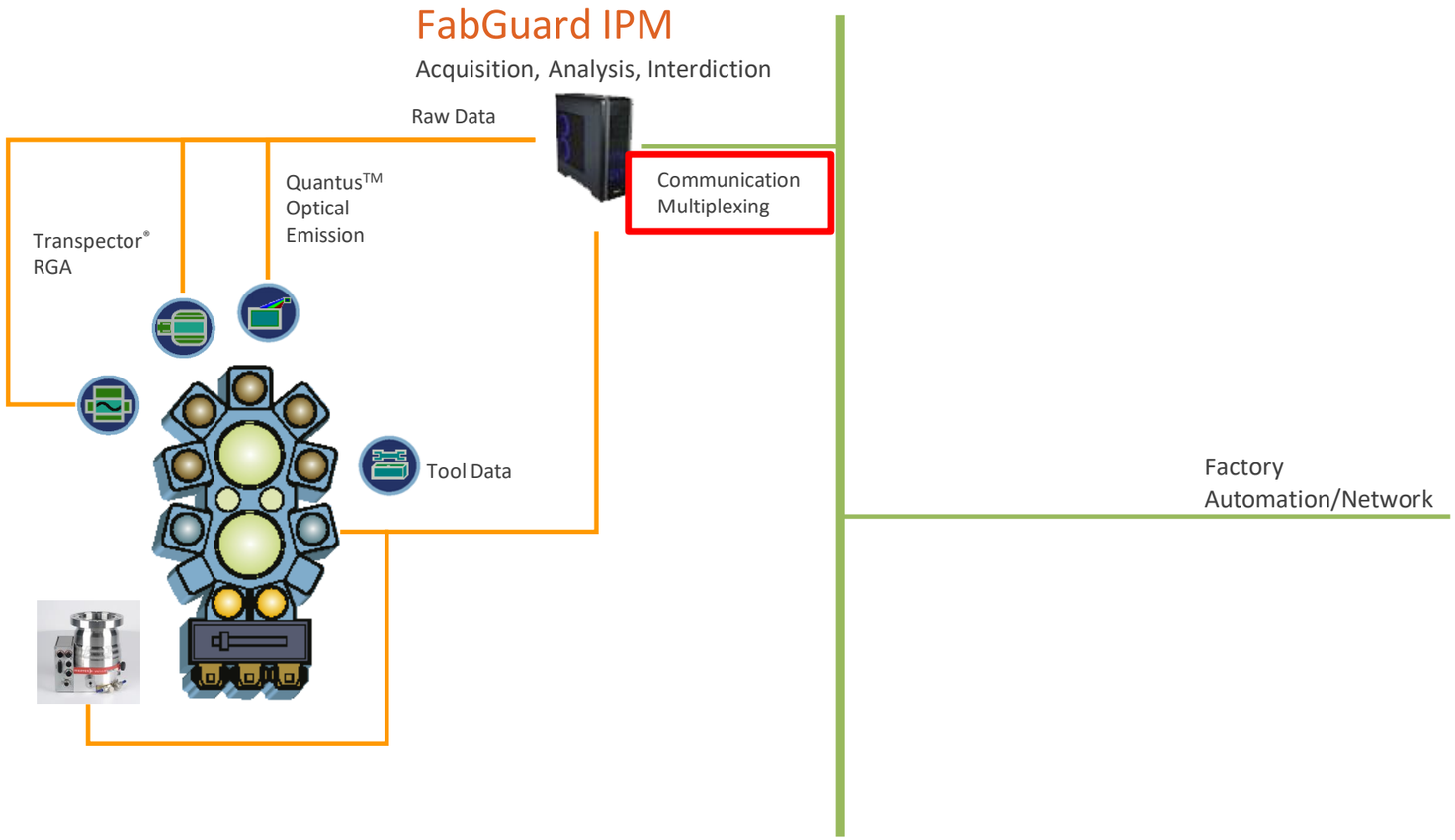
From Tool to Desktop



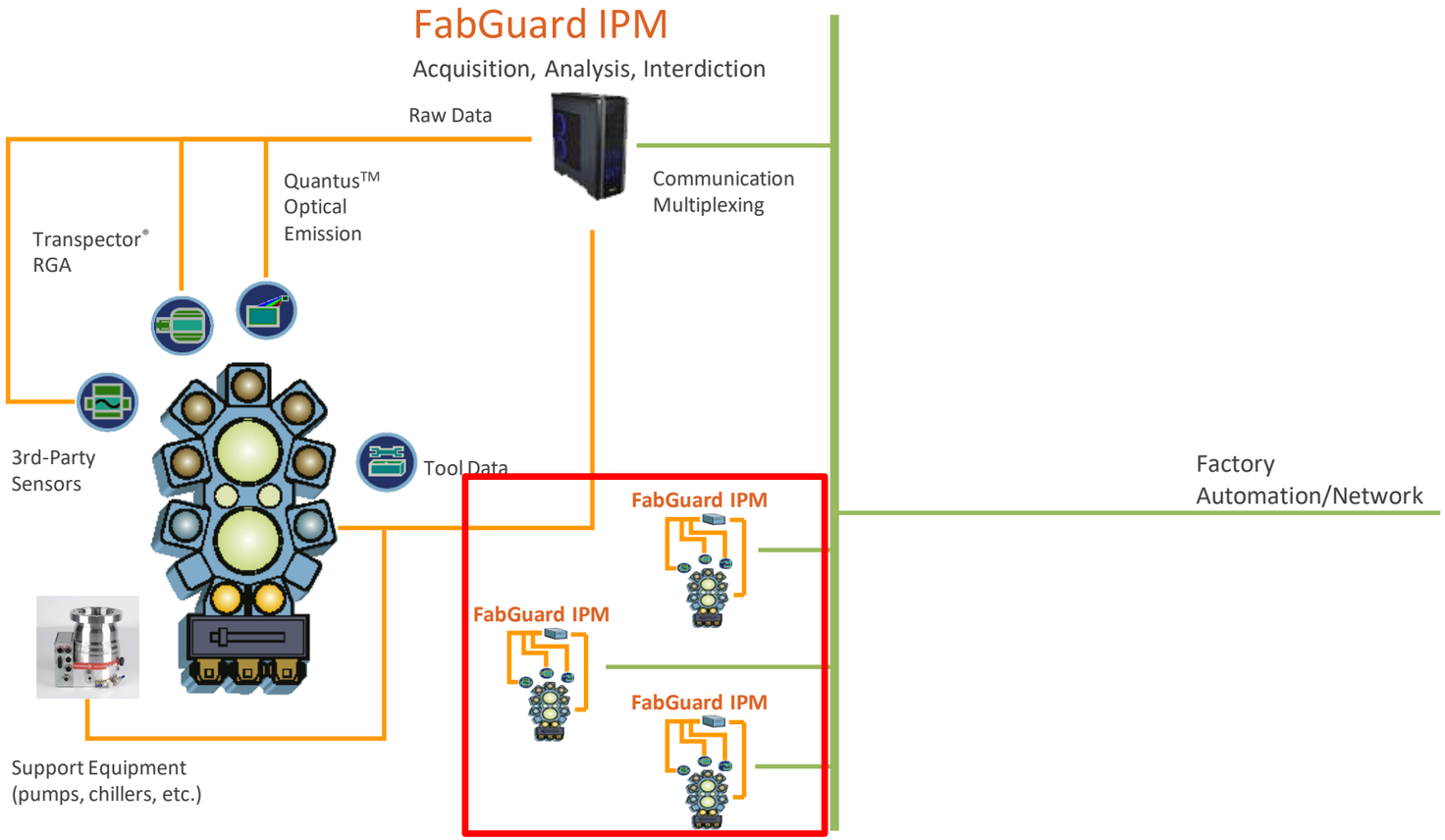
From Tool to Desktop



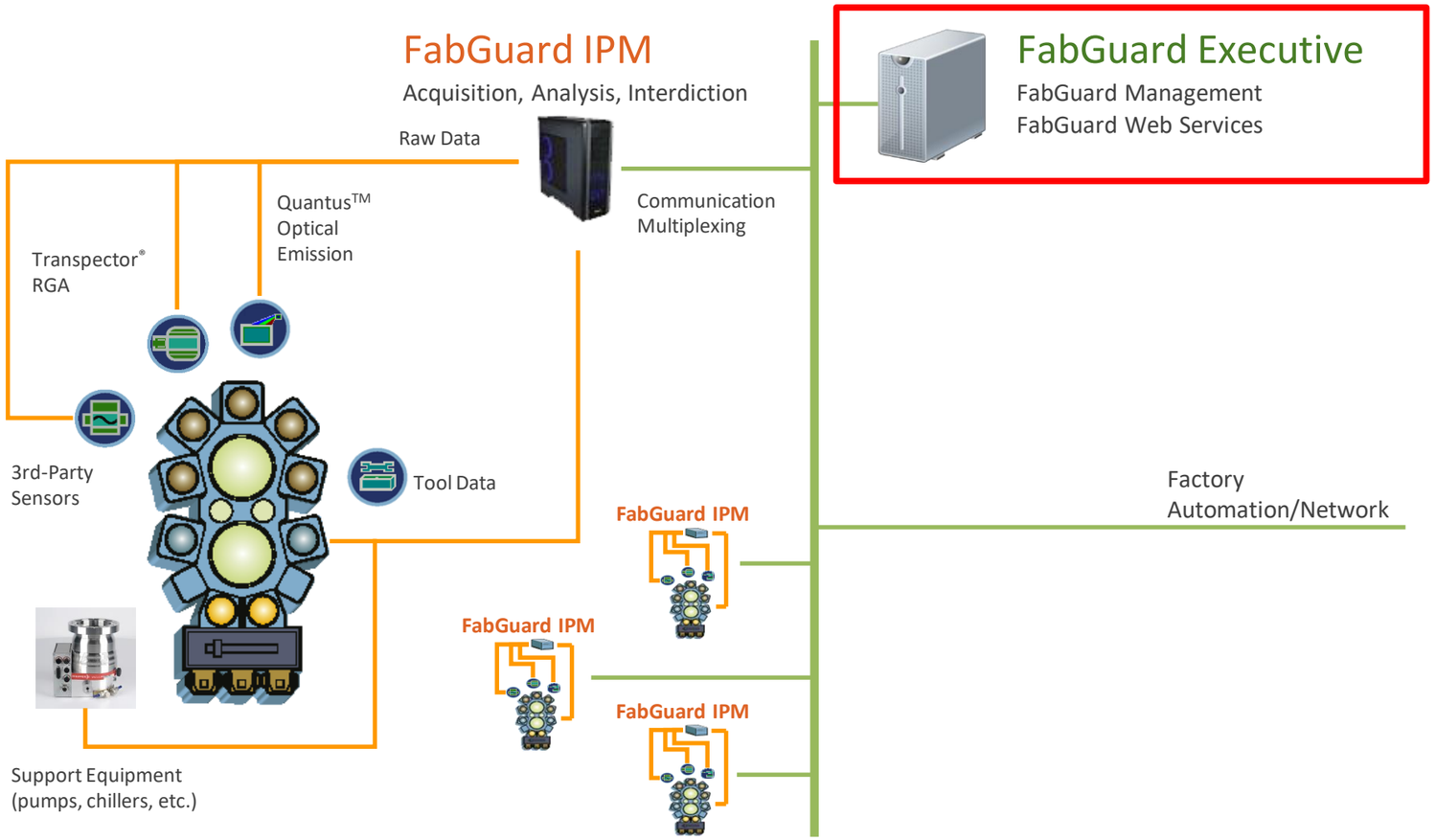
From Tool to Desktop



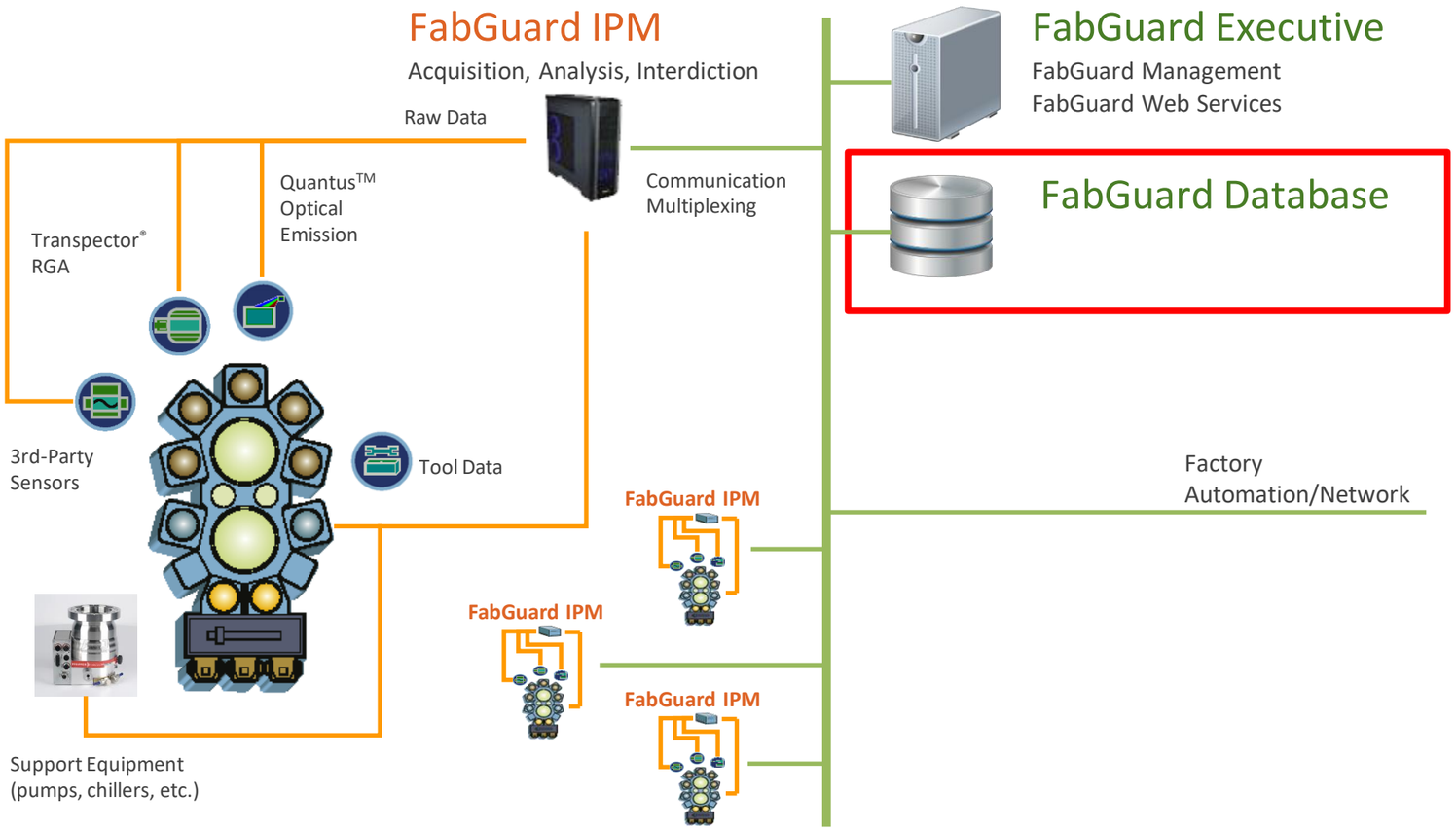
From Tool to Desktop



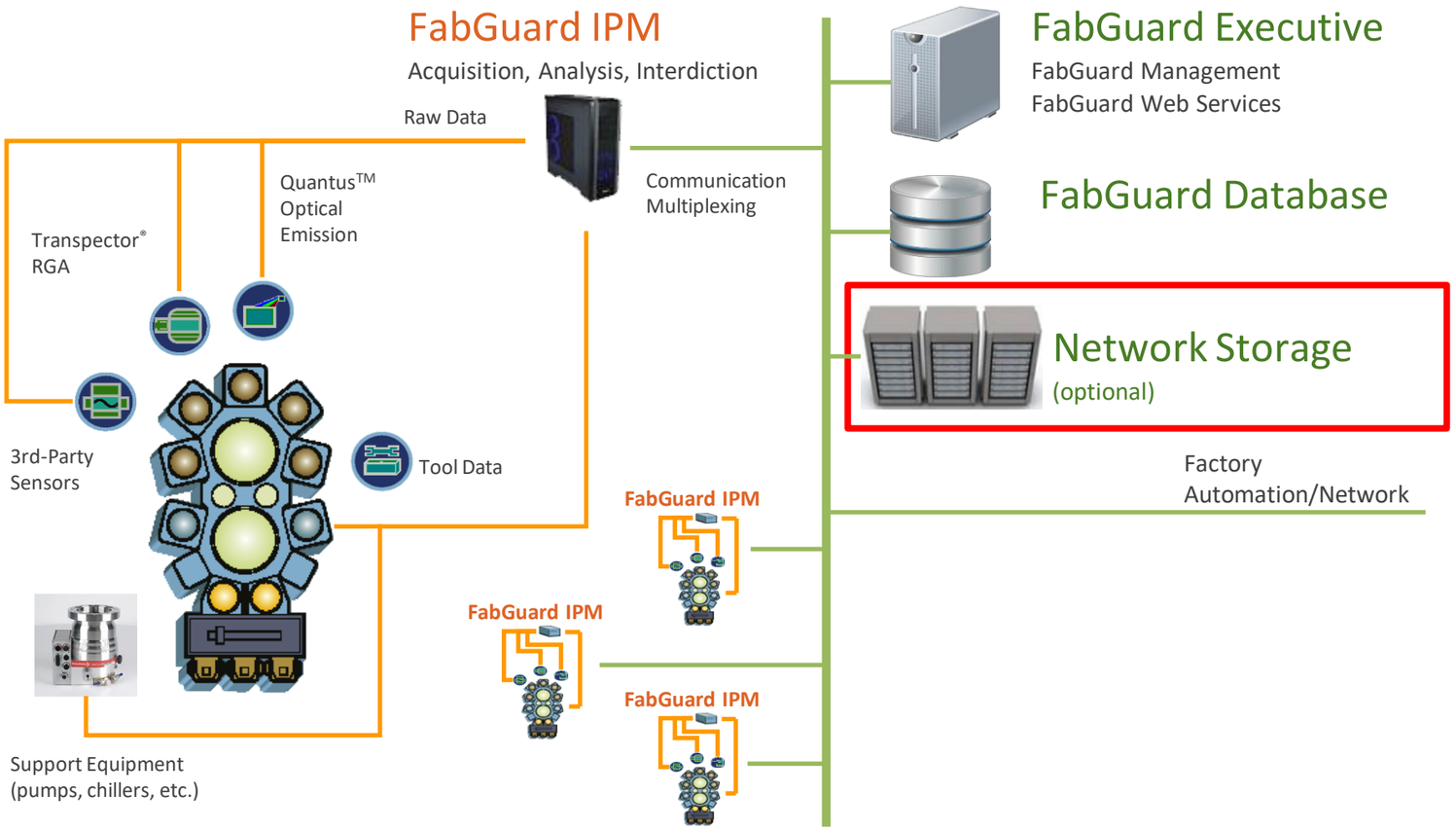
From Tool to Desktop



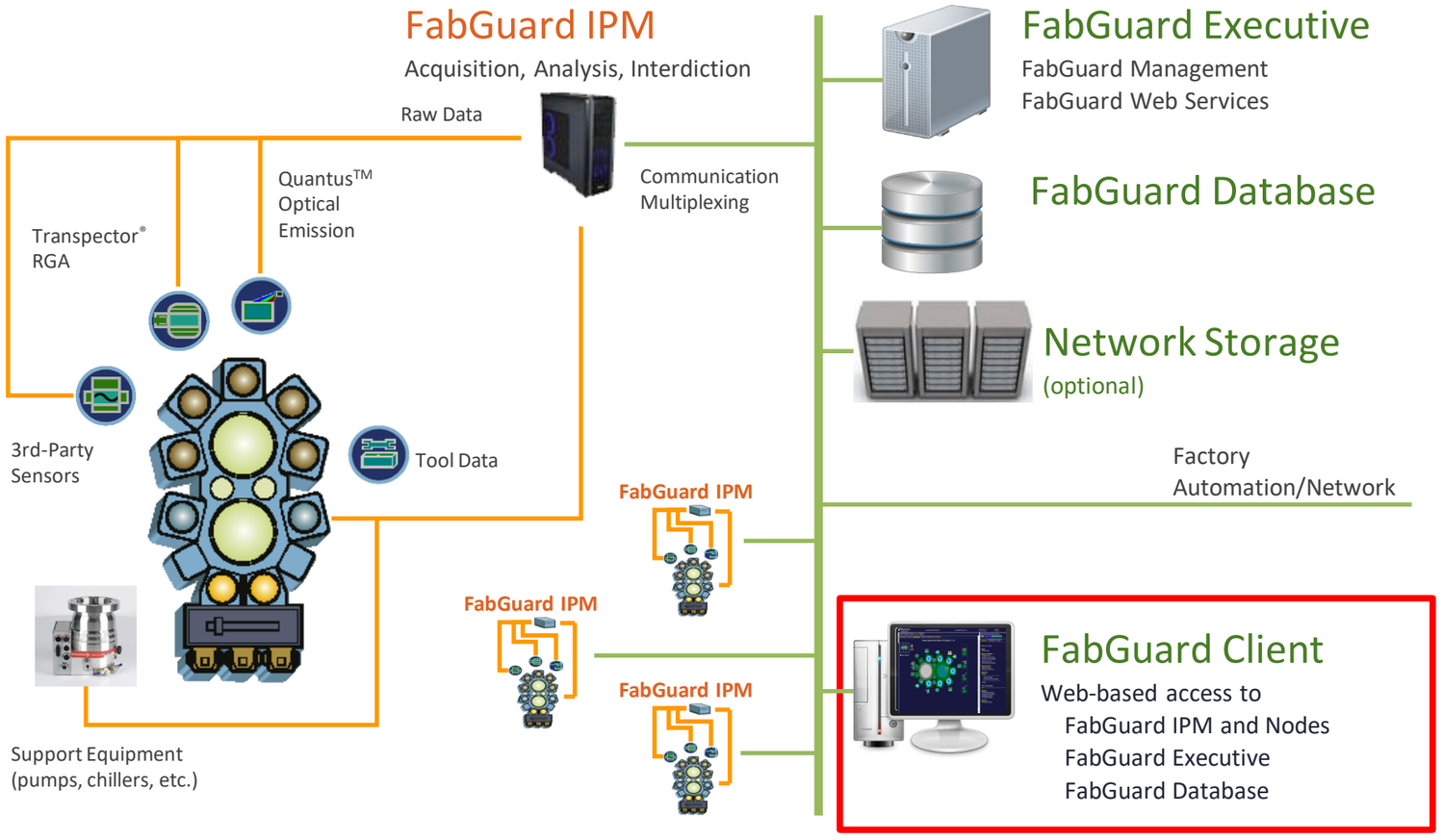
From Tool to Desktop



From Tool to Desktop



From Tool to Desktop



Thank You!

In this module, you have learned:

- How FabGuard integrates with the tool for process monitoring
- What types of signals FabGuard can collect
- What components are needed to transfer a signal from the tool to a computer for processing

Thank You!

You have completed the

Intro to FabGuard and FDC module!

You may come back and review the

content of this module at any time.

Contact Information

If you have any questions about this module, please contact Michael Neel:

michael.neel@inficon.com

617.527.1219