



Pitons Catalyst Pharma 4.0 Platform

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Key Challenges in Pharma Manufacturing

Pharma manufacturing is complex and has to deal with

- Ever increasing regulations and compliance requirements.
- Continuous change in products & manufacturing techniques.
- High output demand with zero compromise on quality



How are Pharma companies are trying to resolve the challenge ?

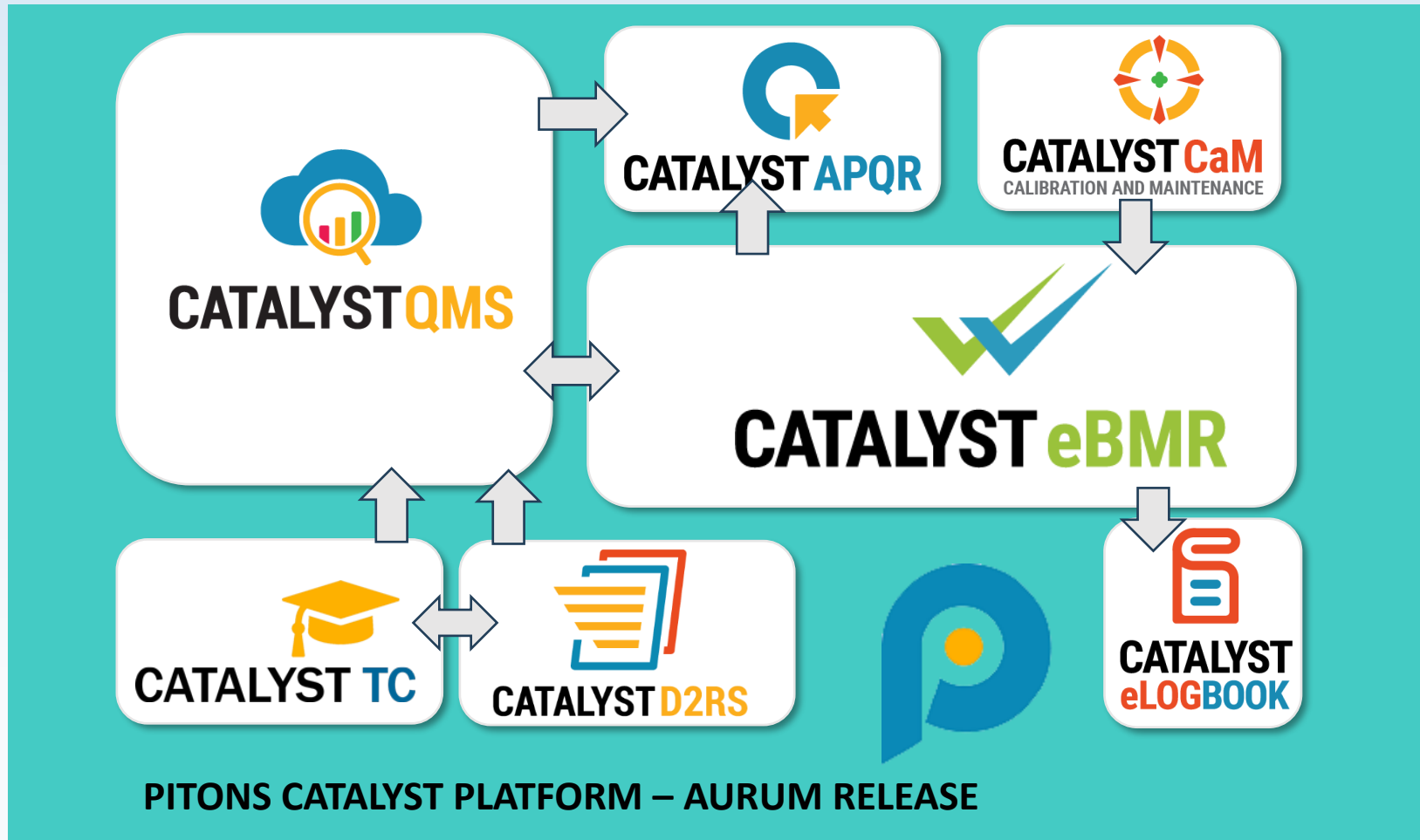
Making use of software's and electronic records is the solution, but !!!!

- Software's do not integrate with each other or with external software's.
- After implementation, **your employees work for the software instead of the software working for them.**
- They have to login to different software's and enter same data again and again and do several manual tasks



Pitons Catalyst Platform

- Pitons Catalyst is a Pharma 4.0 **integrated** and validated software platform.
- You can select the software's you need and integrate them with other existing software's in your company



UPCOMING PRODUCTS

IN PLATINUM RELEASE

Catalyst
Env. Monitoring
System

Catalyst
Retention
Mgmt System

Catalyst
OOS / OOT

Catalyst
Stability Mgmt

Benefits of Using the Catalyst Platform

Business Benefits

- ✓ Immediate ROI with upto 60% savings in effort in QA, logbook, document creation & distribution and other activities.
- ✓ Very user friendly making staff training very easy so easy to adopt.

Technology Benefits

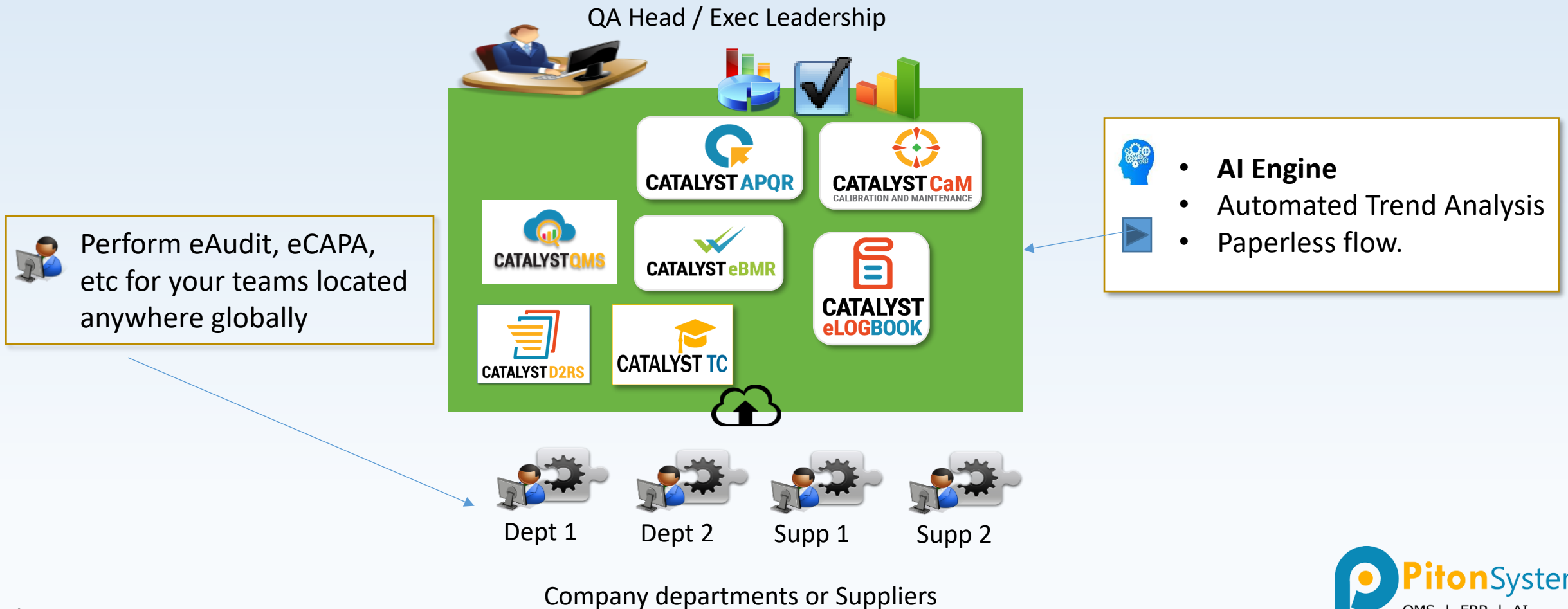
- ✓ Flexibility to choose the software you want and add other softwares later on
- ✓ Easily add plugins and upgrades to the product.

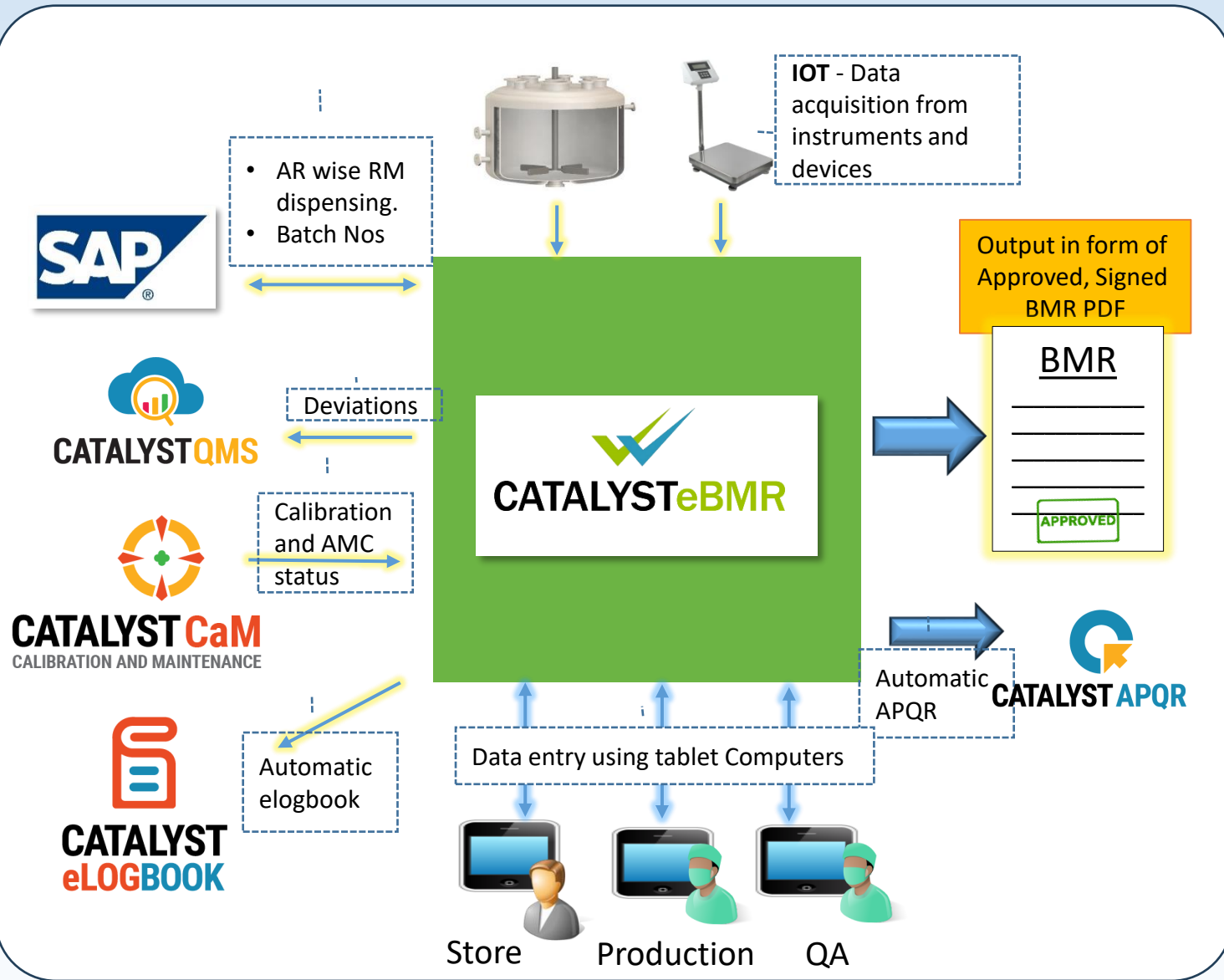
Operation Benefits

- ✓ **Catalyst eBMR** automatically updates eLogBook, APQR and QMS drastically reducing the efforts in these 3 activities.
- ✓ **Catalyst eQMS** bring in paperless QMS making it easy to track, derive trends and analyse them.
- ✓ **Catalyst D2RS** gives complete Document Control, their distribution and obsolete copy management becomes automated.
- ✓ It also gives Complete Security - No one can print or copy any document on their local laptop without permissions.
- ✓ With **Catalyst TC** its very easy to keep track of training status and conduct upto 60% of your trainings to online

Catalyst Platform - Snapshot

- Catalyst is a **Server Based system** – All data is on the server no installation on local laptops. This makes it Secure and Compliant.
- **Flexibility** – It can be installed on cloud or in premise

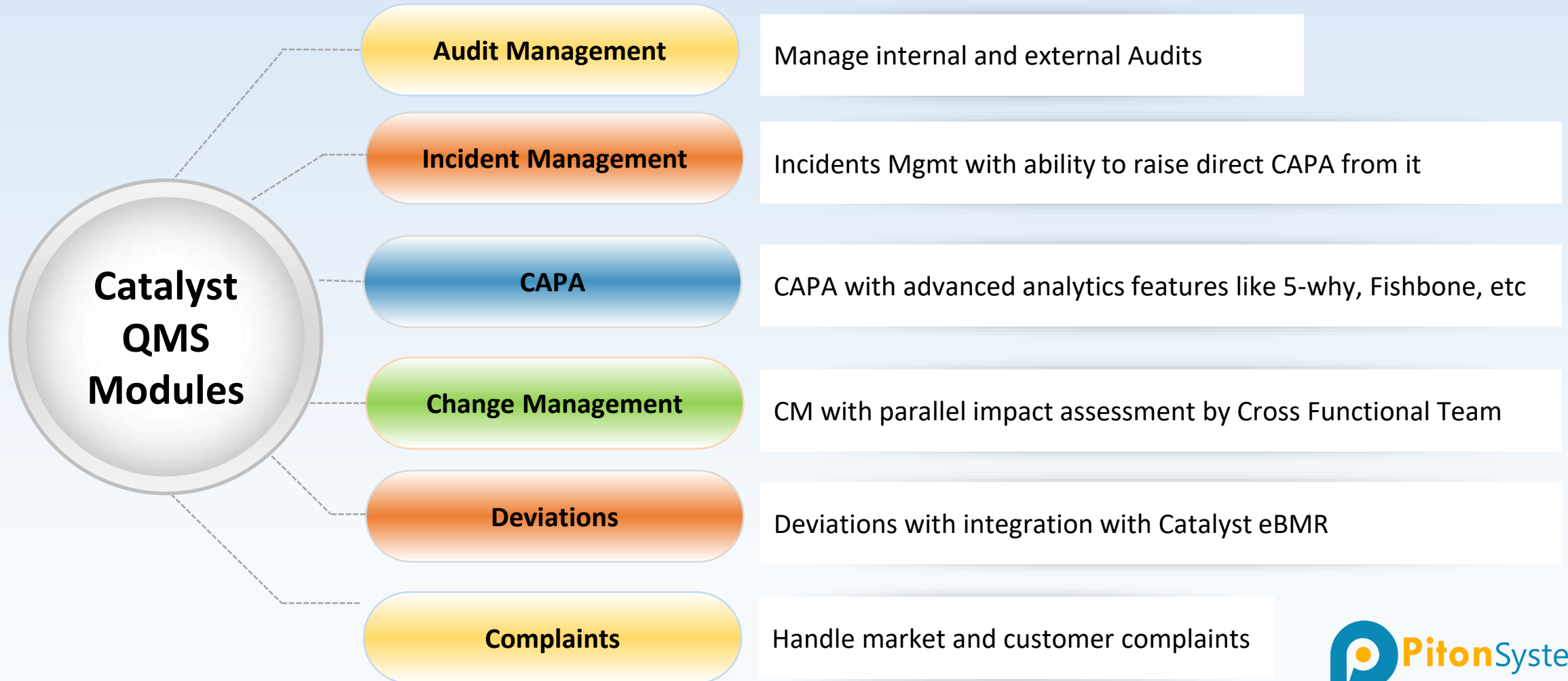




Catalyst eBMR provides you with following key features

- **Completely Paperless BMR**
- Integrates with SAP and other ERPs, Catalyst QMS, Catalyst eLogBook, Catalyst APQR, Catalyst CAM and other software's
- IOT enabled with Data acquisition from Devices and instruments.

Catalyst QMS is a configurable and easy to use eQMS. It can integrate with SAP Catalyst eBMR, Catalyst APQR and other software's.



The only End to end DMS with integrated document creation, training, distribution and retrieval



- **Create documents online** with multi-edit, review and commenting features. No need of MS word.
- Integrated Training which does not allow distribution till all employees are trained.



- **Distribute** Control Copy, Display copy and automatic distribution register maintenance.
- Issue of **BMR, Annexure, TDS, Logs, etc with reference number generation** e.g. Batch Number generation



- **Automatic version control** of documents.
- **Automatic retrieval trigger** for obsolete docs and **Reconciliation** flow for record docs.



- **Easy Integration** with SAP, Catalyst QMS and other software's.

Catalyst TC is an end to end Training Software which includes training as well as online evaluation.



- **Create Role based trainings.** Assign trainings to roles
- Automatic assignment of trainings to new employees based on their roles



- **Training compliance** for Company, department, Managers and employees
- Training Compliance by training.



- **Online and classroom trainings**
- **Online evaluation** with multiple choice questionnaire



- **Easy Integration** with SAP, Catalyst QMS and Catalyst D2RS.

Catalyst APQR, CAM and eLogBook



- Extracts data from Catalyst QMS, Catalyst eBMR, ERP and other softwares
- **Automatic generation of APQR report with review and approve feature**
- Ability to view historical data, export report



- Calibration and Maintenance Calendar with automated reminders
- Checklist based calibration and Maintenance with evidence uploads
- **Integration with Catalyst eBMR to allow only qualified machines to be used in a batch**



- **Integration with Catalyst eBMR** for automatic logbook entry along with the batch
- Complete paperless logbook

A Brief about Piton System Pvt Ltd

Brief History and Contacts

- Piton Systems is an IT products and consulting company formed in India in 2008.
- India is the global leader in providing IT consulting and services. Our founders have 24+ yrs of experience working in world-class IT companies like Infosys, TCS and Cognizant.
- As part of that, we have delivered many projects for fortune 100 pharma companies like Merck Sharpe and Dohme, Bayer, Pfizer, etc.
- Based on this experience, we have developed specialized products for the pharma industry which are helping them to optimize their businesses.

Contact Details

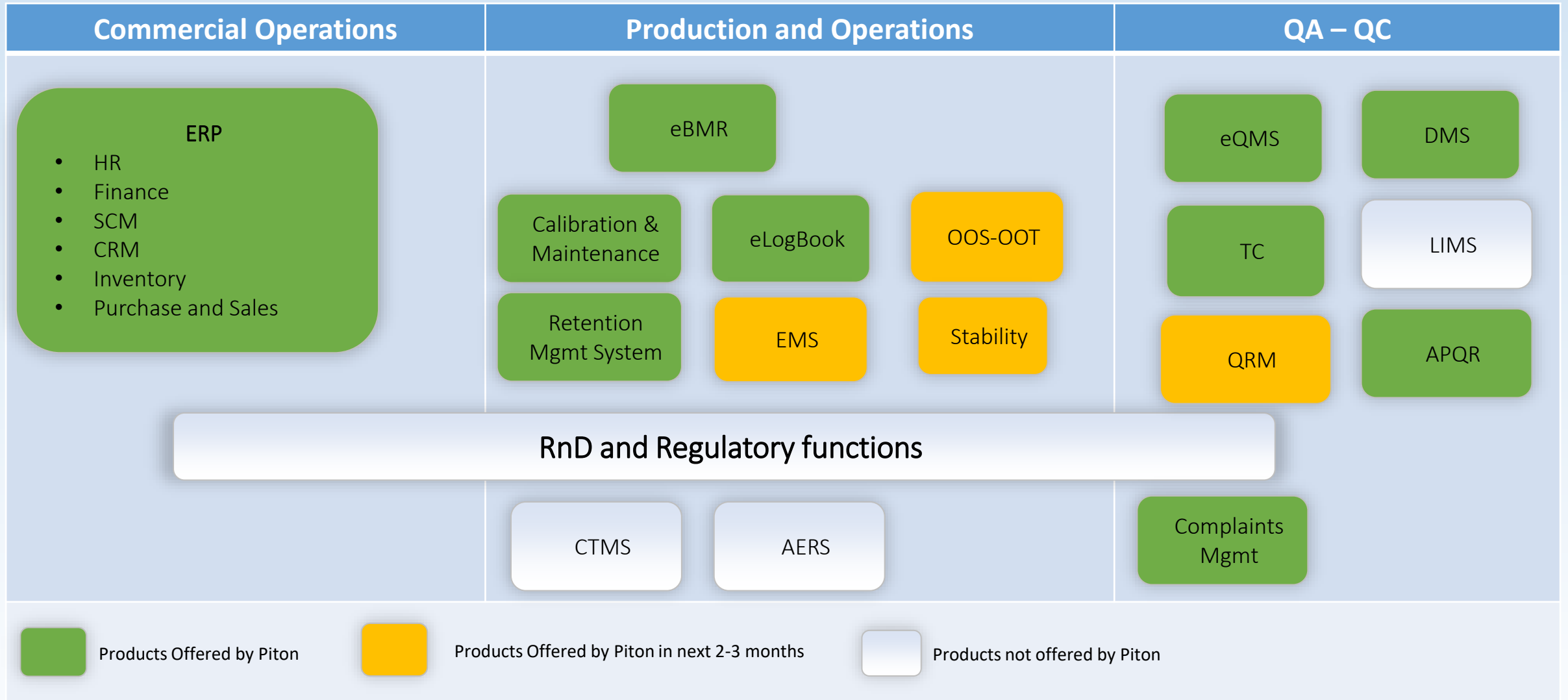
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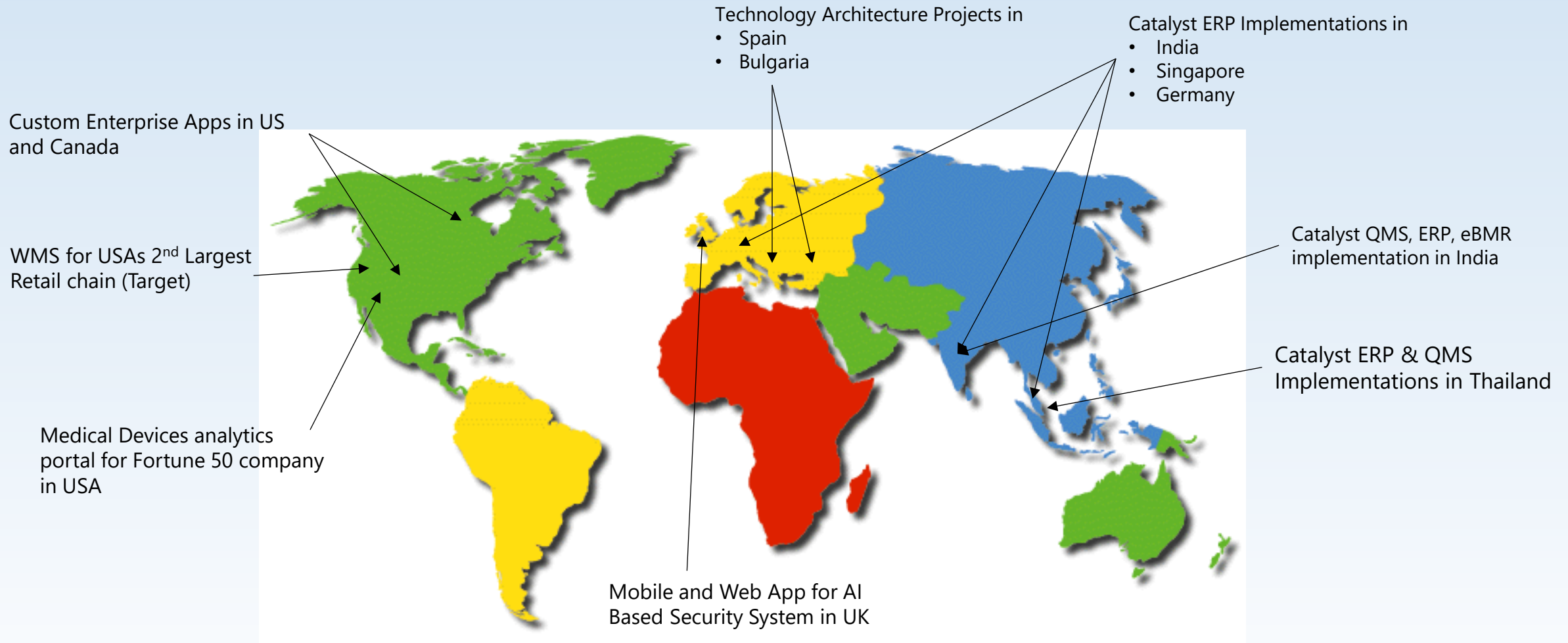
Contact : Nikhil Dalal (nikhil@pitonsystems.com), +91 9881407634 [INDIA]

Pitons Offerings in the pharma Landscape



Our Experience with Global Clients

Product Implementations and Projects



Representative list of our Global clients on Catalyst Platform



Our Experience with Global Clients

Custom Development Projects



Built a virtual engineering integration tool on the GE Predix (IIOT) platform, **USA**



Analysis of diagnostics instruments leveraging web and IOT for Roche **US**



Design and Development of Warehousing system for **US** Top 2 retail and pharma chain



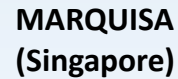
Architecture and development of next gen Tele medicine platform for mediorbis **USA**.



Carbon Trading Platform for the states across US and Canada. The system is built on microservices based architecture



Microservices architecture for CDMon Spain



IT Advisory services for Member Engagement platform to scale from startup mode to an Enterprise version



AI Based mobile and web app for EtherSec UK



Microservices architecture for RUSH Bulgaria

Management Team



Nikhil Dalal,
BE (Pune University), MS (BITS Pilani),

27+ years of experience in IT, across TCS, Infosys and Cognizant Technologies.

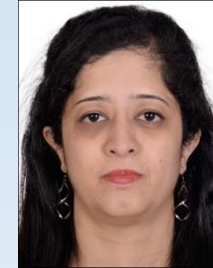
Developed products, handled transformative engagements & supported business development for Fortune 500 customers, in US, Europe and India.



Sonal Dalal,
BE (Mumbai University).

24+ years of experience in IT, with top manufacturing cos like Camlin and Alfa Laval for their ERP implementation.

Handled global projects while working with Opus Soft.



Sonali Karnik,
BE (Pune University).

24+ years of experience in IT implementation and product development.

An expert on SCRUM methodology and as part of Piton has handled large global projects with fortune 10 customer

The Management Team has great experience in working on enterprise projects in companies like Infosys, TCS and Opus

Thank You!