

# Pharma Contract Manufacturing Platform



## Product Overview

Taashee's Pharma Contract Manufacturing Platform (PCMP) makes outsourced manufacturing of pharma products transparent, thus helping reduce lead times, overstocking, and out-of-stock incidents. It uses Enterprise Blockchain to create a trusted business ecosystem with partners.

## Outsourcing = Opacity

Opacity is quite expensive. You either overstock, or run out of stock not knowing the delay the next time you re-order.

## No more opacity!

With PCMP, you establish an open connect with your manufacturing partners. Your operations and planning teams will know the execution status of all partner POs. When delays happen, your handling

## Partners will thank you!

You need real-time information to respond to markets and customers. Now, instead of those endless calls and emails which can irritate both parties, your partners can simply update the status of their contracts in the Pharma Contract Manufacturing Platform.

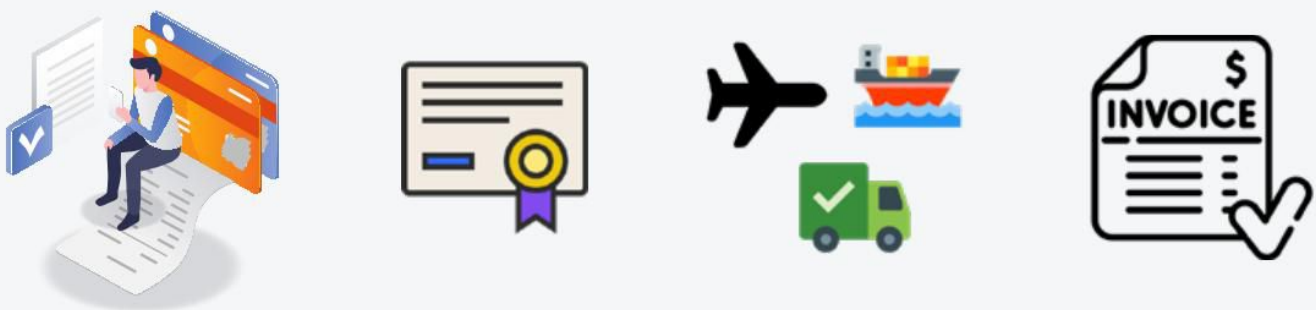
## Product Details

Pharmaceutical companies have been outsourcing their manufacturing to suitable partners for more than two decades now. While pharma companies undertake substantial due diligence of a potential partner, tension between the parties prevail since the customer always wishes to have as much visibility into the status of the partner deliverables as they would, if they manufactured the product in-house.

And while the partner may be equally intent on meeting the agreed upon commitments, there is no mechanism to interact in a trusted and dynamic environment. Partners and customers today interact over emails, phone calls, or messaging software. Not only does this mean information is not fully available, it is also lost, and unavailable for future assessment (such as for evaluating supplier performance).

PCMP is designed to acts as a bridge between a pharmaceutical brand and their contract manufacturers. It starts with the on-boarding of a Contract Manufacturing Organization (CMO), and then tracks all subsequent interactions between the two parties. Some examples of such interactions include:

- ◆ Issuance of PO by customer and acceptance by CMO
- ◆ Updates of Certificate of Analysis (COA) for manufacturing batches
- ◆ Tracking shipments
- ◆ Sending invoices and tracking payments



PCMP is built on Truffle Suite development environment, testing framework and asset pipeline for blockchains using the Ethereum Virtual Machine (EVM) to enable trusted, immutable transactions amongst participants of a business ecosystem.

## Features

### Monitor Every Order:

PCMP provides a standard framework that allows you to track and validate every order. Use of standard terminology makes it easy for all parties to work on the same platform.

### Track Every Detail:

Track your PO at a level of detail that suits your business objectives. For less critical orders, monitor the status at PO level, and for orders further up the criticality ladder, track at the PO Line or even at the Batch level.

### Track Key Documents:

Important documents such as Certificate of Analysis (COA), Invoice, or Goods Received Note (GRN) are stored on the Blockchain. This makes these documents immutable, and provides a complete audit trail. Perform your business more confidently with enhanced trust in your partners.

### Start Slow, then Grow Fast:

Start your program with just a few friendly partners, validate and refine the solution, and then continue to scale your program to all partners.

### Don't Burn Your Budgets:

PCMP is offered as Software as a Service (SaaS) with attractive pricing, and no upfront costs.

## What are you waiting for?

Write to us at [info@taashee.com](mailto:info@taashee.com), and we will get you started!