Intelligent Plant™

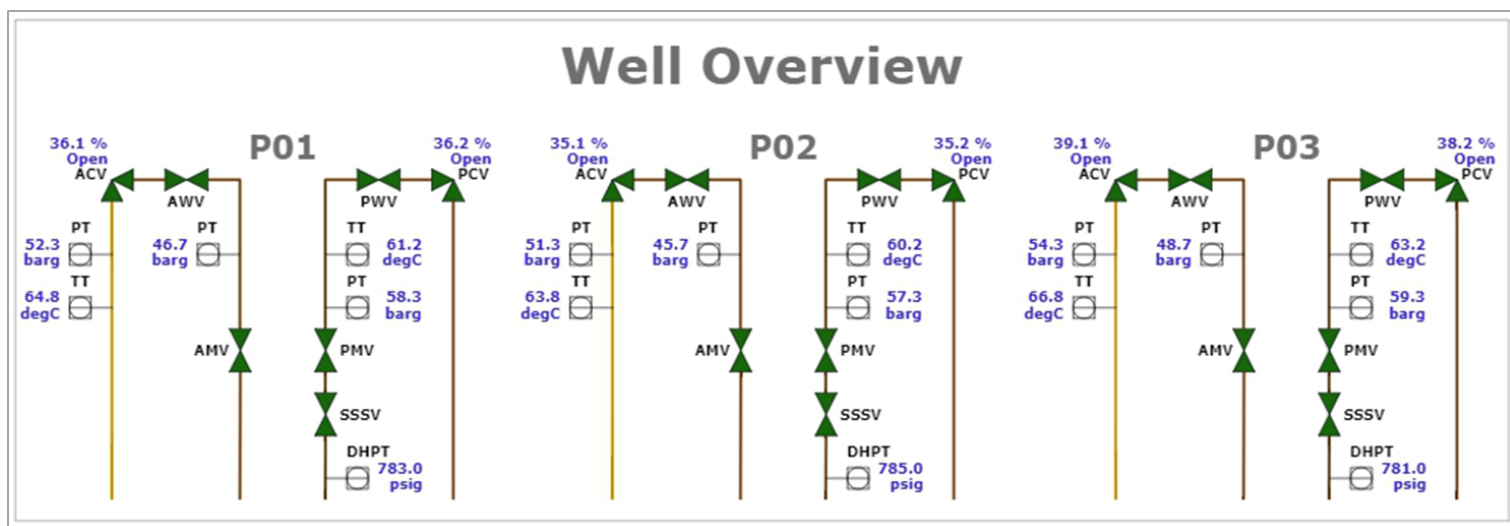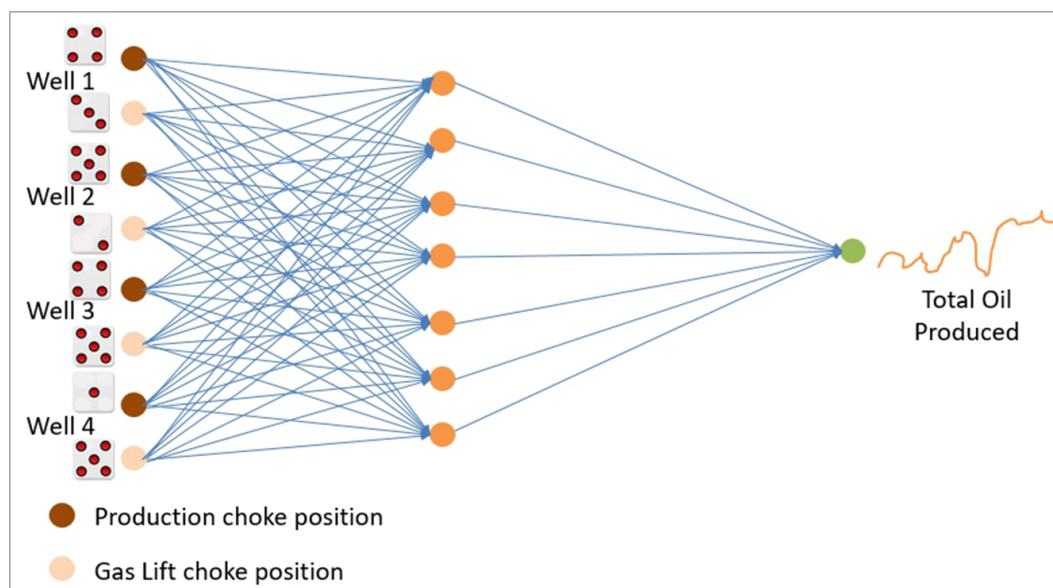*Inform, Enhance, Grow. Intelligently.*

Well Intelligence

Optimise your choke positions to gain more production without changing anything else.

How could we Optimise Production?

Network learns from historical and future data to make a model of the whole system:
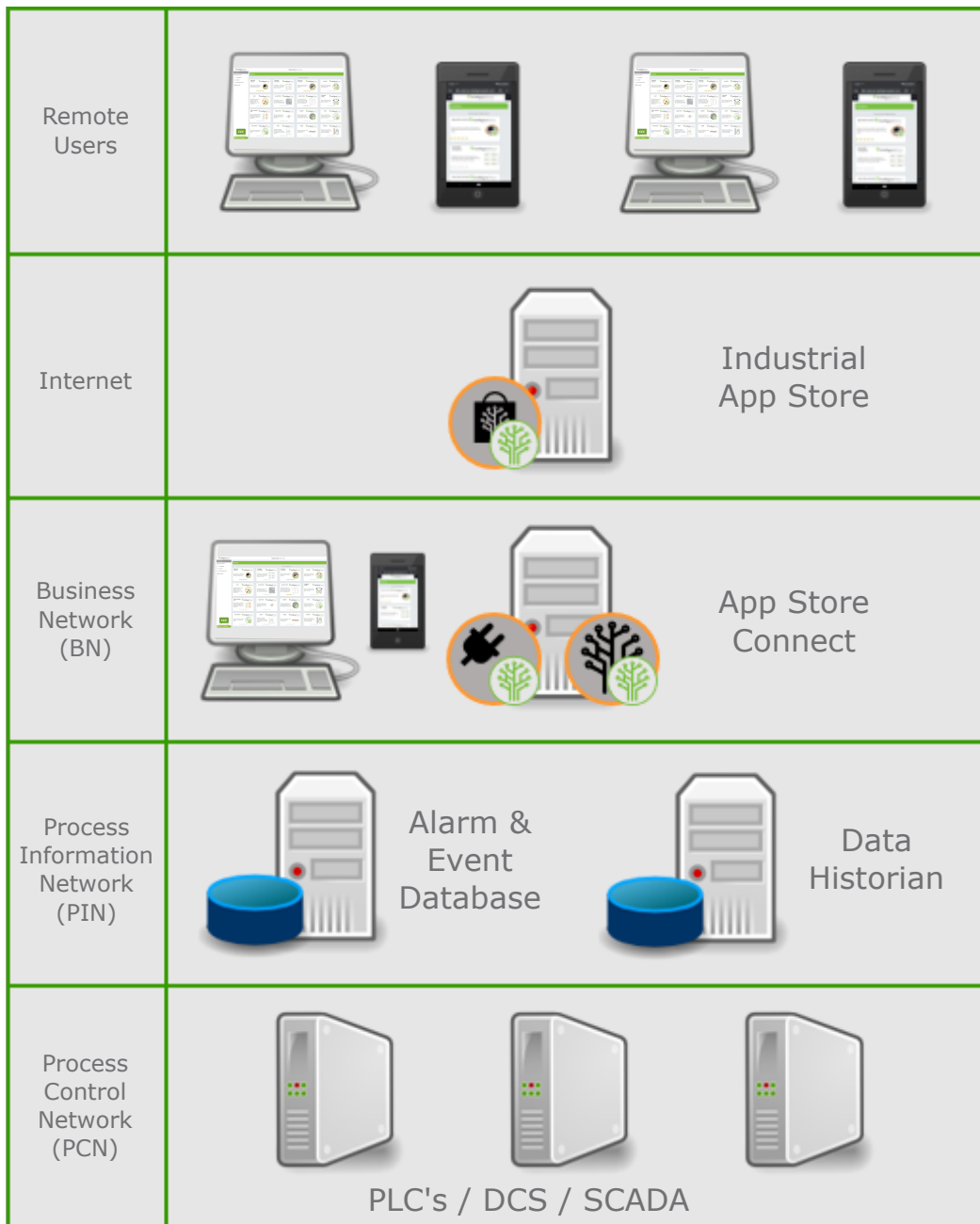
- The Reservoir, Well, Risers, Separators etc. to allow optimal settings including all interactions to be derived

- Monte Carlo Simulation to find the optimal settings for all wells in the system

Currently helps optimise your production today.

Architecture

How it Works

Remote Users	
Internet	Industrial App Store
Business Network (BN)	App Store Connect
Process Information Network (PIN)	Alarm & Event Database, Data Historian
Process Control Network (PCN)	PLC's / DCS / SCADA

- A lightweight piece of software called the App Store Connect is installed on your Business Network with read only communications to your Plant Historians via bespoke and OPC protocols.

- You control which data can be shared to the Industrial App Store. You control who and which Apps have access to this data. Data access is controlled by you and no-one else.

- Requests for data are sent from the Industrial App Store to your App Store Connect which then gets the data from your Historian and serves it to the Industrial App Store. All this is done securely using HTTPS.

- Once the data is used by the App it is discarded. Any calculated results can be written back to the App Store Connect on your site. Share data with business users, vendors, remote external users and service providers etc.

At Intelligent Plant we recognise that there are many ways and reasons to access, interpret and analyse data but we believe that your data should always remain YOUR data.