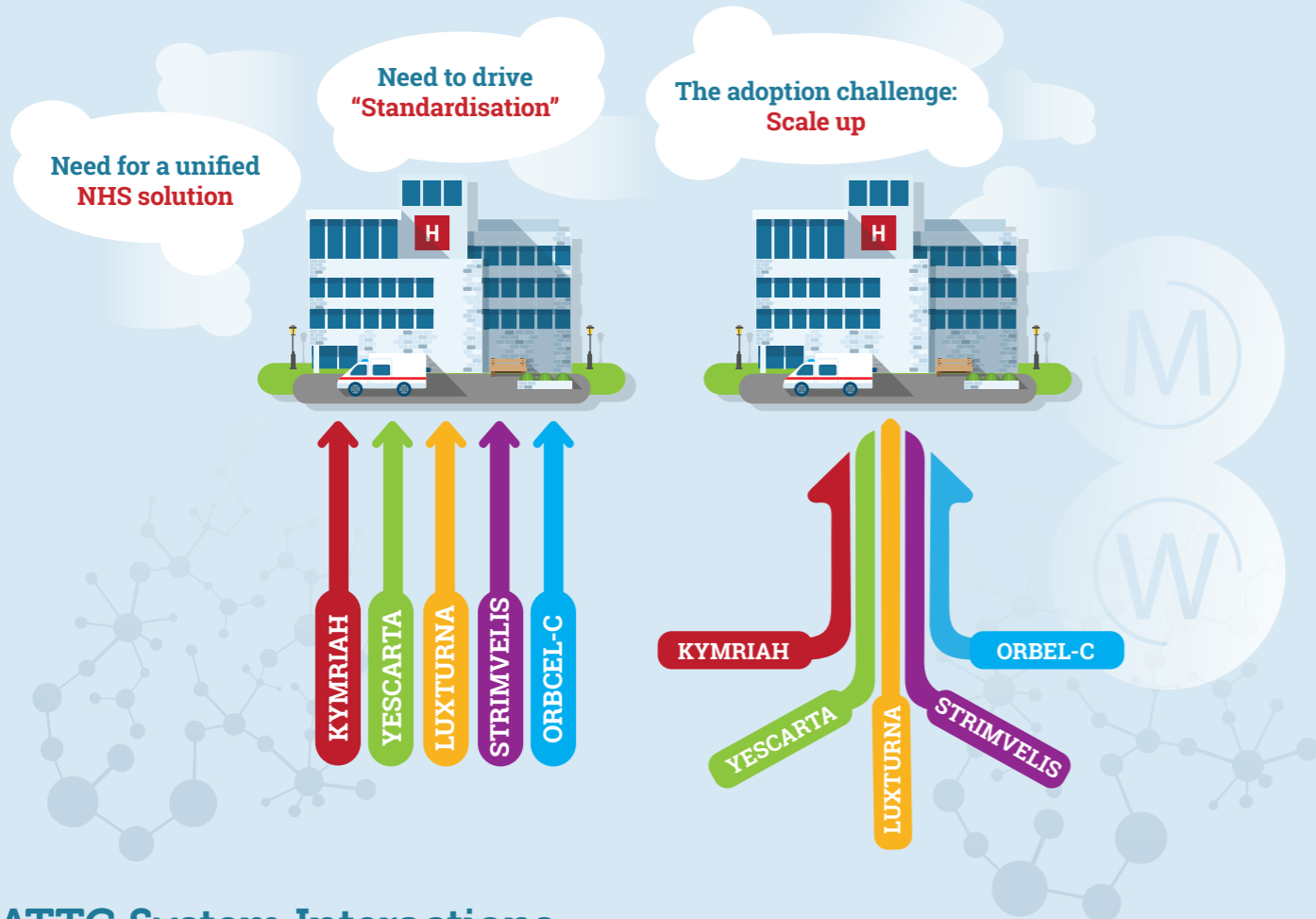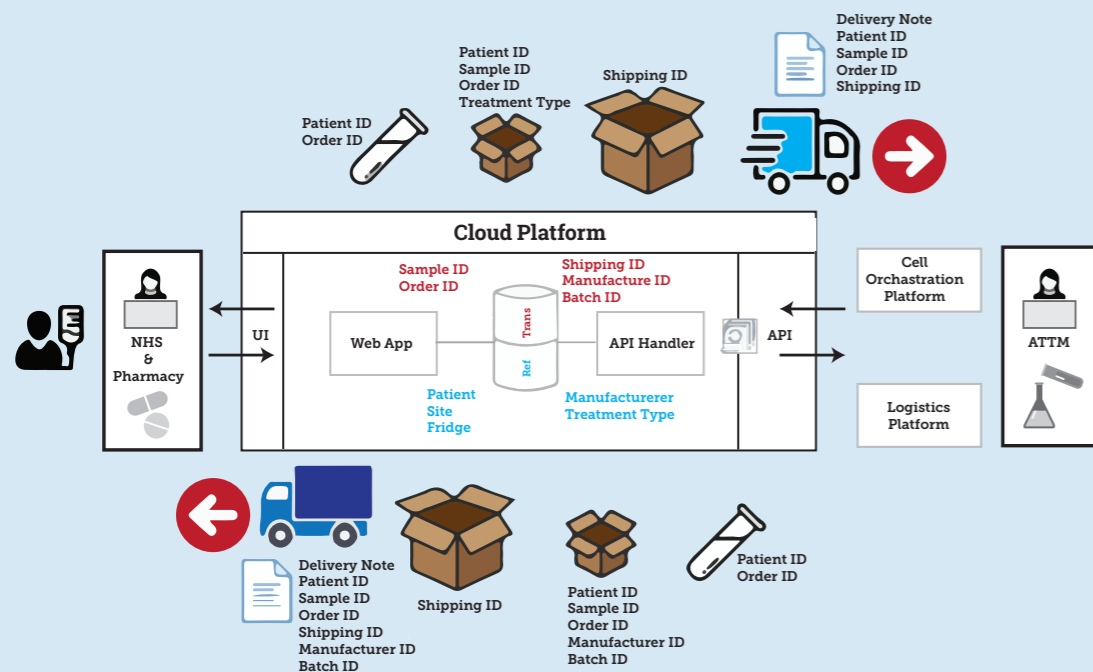# Electronic Solution for Hospitals

Advanced Therapy Medicinal Products are moving at pace from clinical trials into routine clinical care.

Due to the logistical complexity, currently each therapy provider is setting up an individual track and trace solution resulting in a multiplicity of ATMPs systems and extra burden for the NHS.
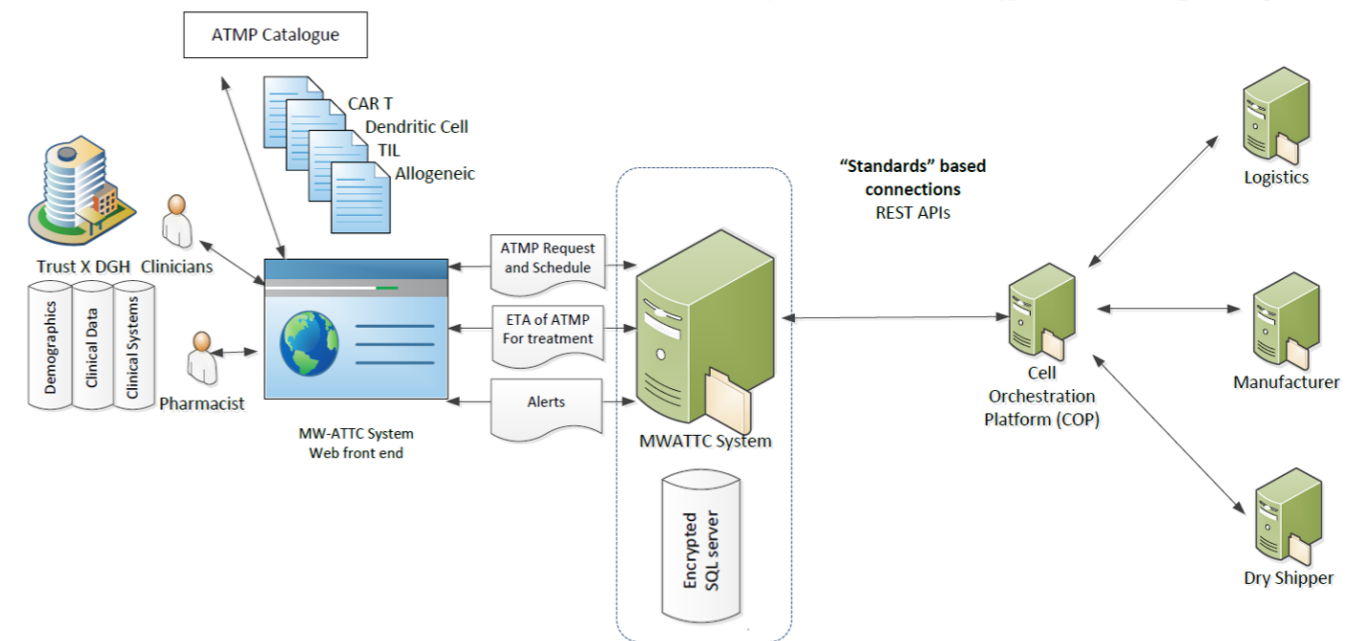

ATTC System Interactions

This was achieved by UHB Informatics in collaboration with our industry partners providing manufacturing insights, building upon existing MW-ATTC Cell Orchestration Platform (COP) infrastructure to further increase the robustness of the scheduling and maximising the utilisation of expensive manufacturing resources provided by the University of Birmingham.

For the NHS a web based prototype system was built on a Cloud based platform, to standardise the Ordering and Scheduling of ATMP Treatments for the NHS, in collaboration with industry partners and manufacturers, to deliver trackable 'needle-to-needle' ATMP products for ATMP Patients. The prototype allows at least one ATMP to be ordered and scheduled via a catalogue from an NHS Trust that delivers ATMP treatments. This system should be able to interface with one or more Cell Orchestration Platforms and one or more Advanced Therapy manufacturers.

Our design approach was based on a standard Ordering system as shown below.

The system

The Benefits

- Removal of administrative burden that makes current processes difficult and time consuming
- To allow the NHS to be aware of where their treatment is in manufacturing and delivery processes
- Helps NHS with treatment scheduling & a single UI for NHS Staff to familiarise themselves with
- Moves NHS towards mainstream ordering of ATMPs
- Provides data points to assist payer mechanism
- Provides "Standards" based APIs for COP and Advanced Therapy services suppliers integration
- All the above will speed-up the adoption and reduce implementation and operational costs

Watch our webinar to find out more