



YorkshireWater

Yorkshire Water Geomatics Integration

Neil Auty

Geomatics Partner Support Manager

Winner of Utility of the Year Award

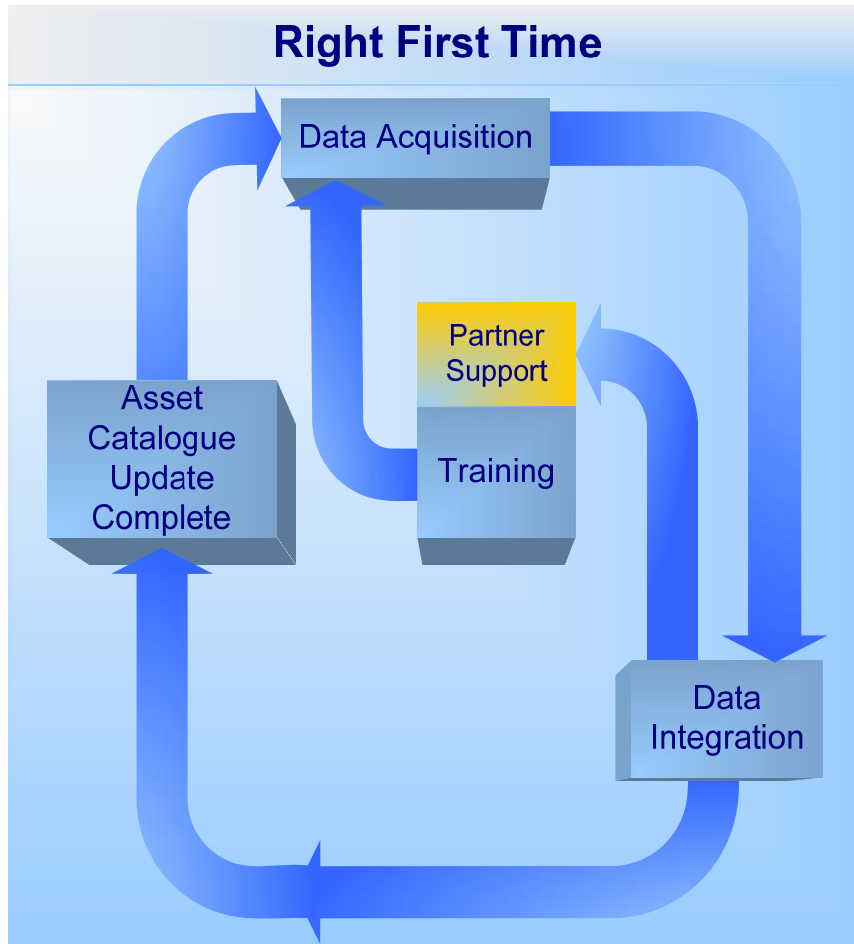
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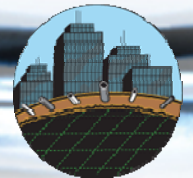


What step change in Integration policy moved Odyssey forward for Yorkshire Water?

Introduction of a 'Right First Time' mind-set through provision of training and support directly to data providers ensuring easier through-put at the Integration stage

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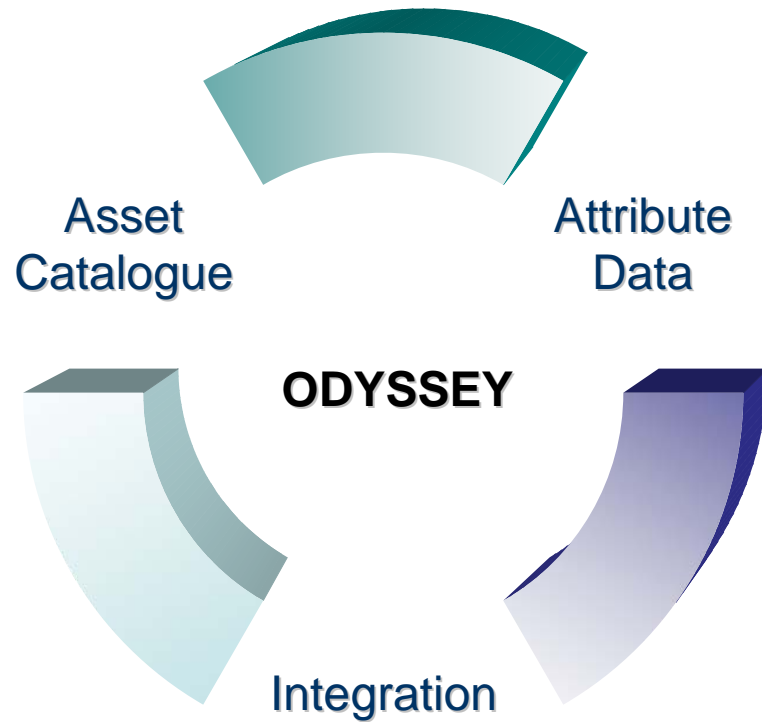
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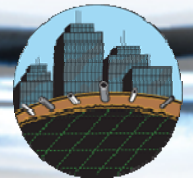
Geomatics Integration



Odyssey, the dynamic geomatics record at Yorkshire Water Services (YWS), key to mapping the underworld

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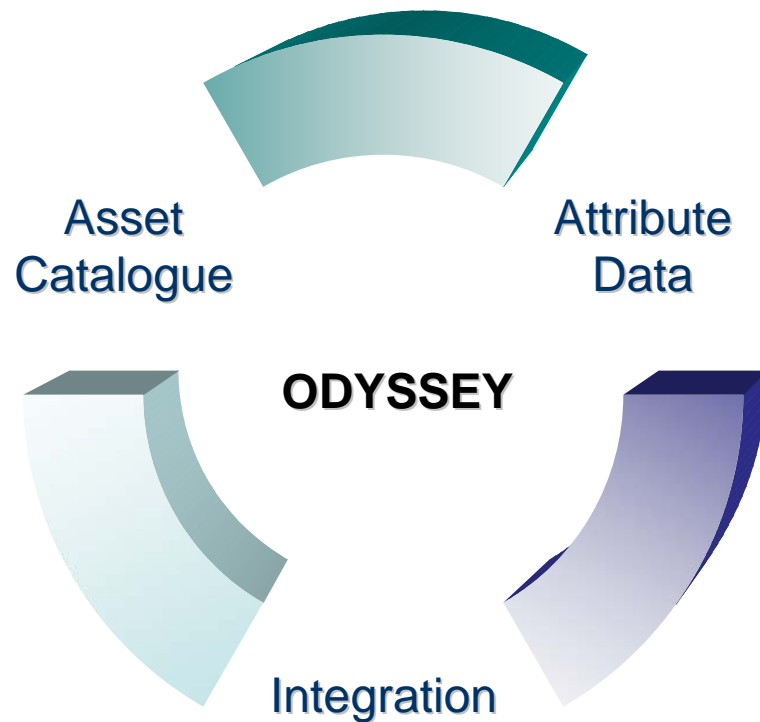
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2000+ Users

4000+ User access points

Core tool at YWS

129 Water treatment works

625 Waste treatment works

30000+ km water network

32000+ km of sewer network

**Key element in YWS Integrated
Customers and Operations
Management (ICOM) system**

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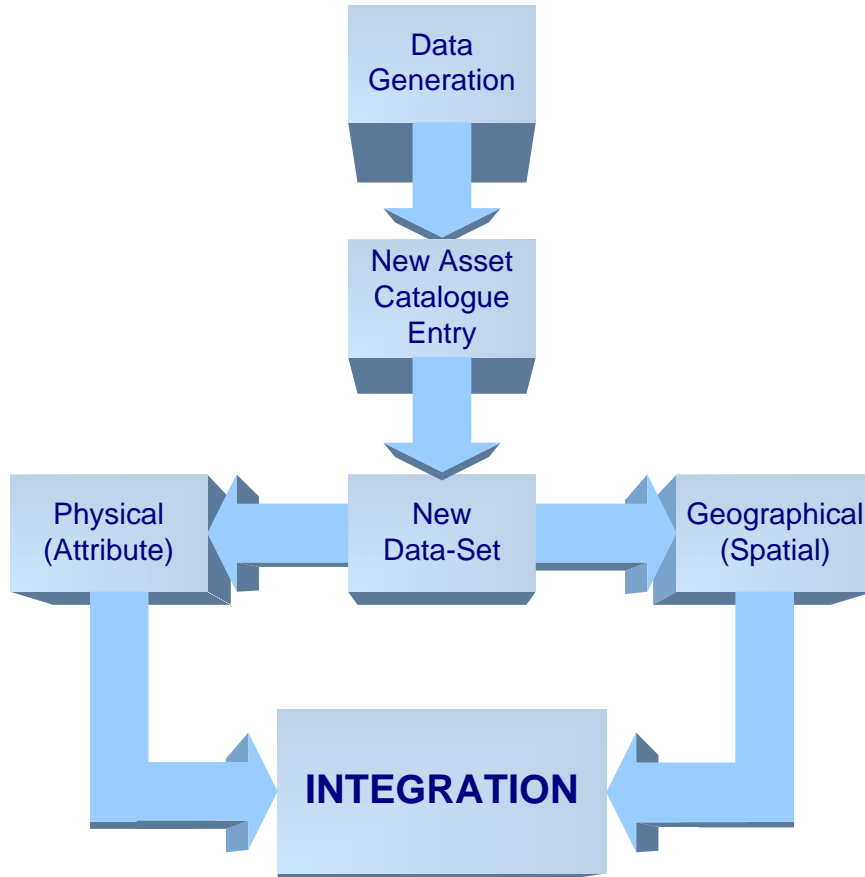




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What processes are involved in integration of Odyssey data at Yorkshire Water?



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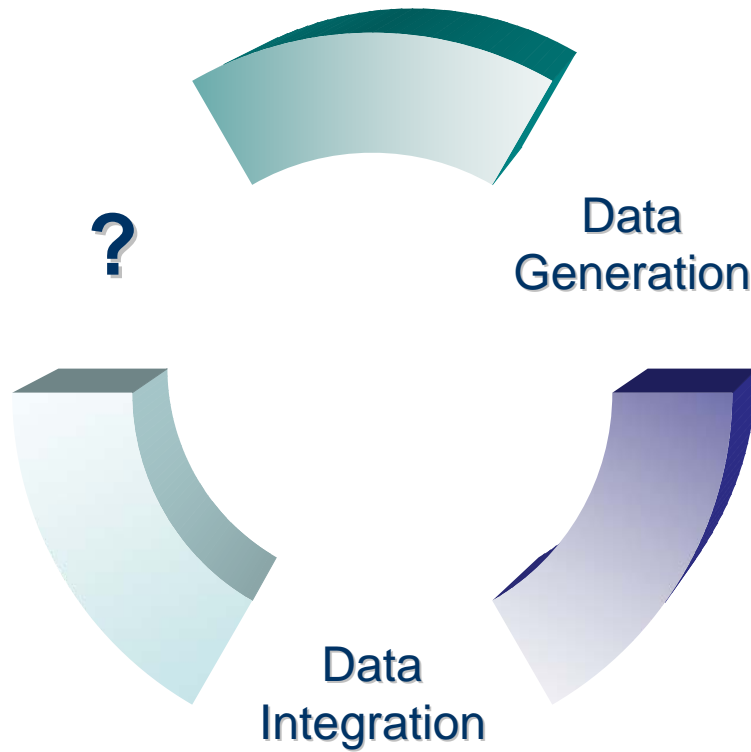
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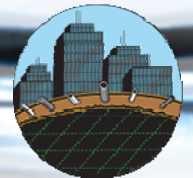
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What generates asset catalogue changes for YWS?

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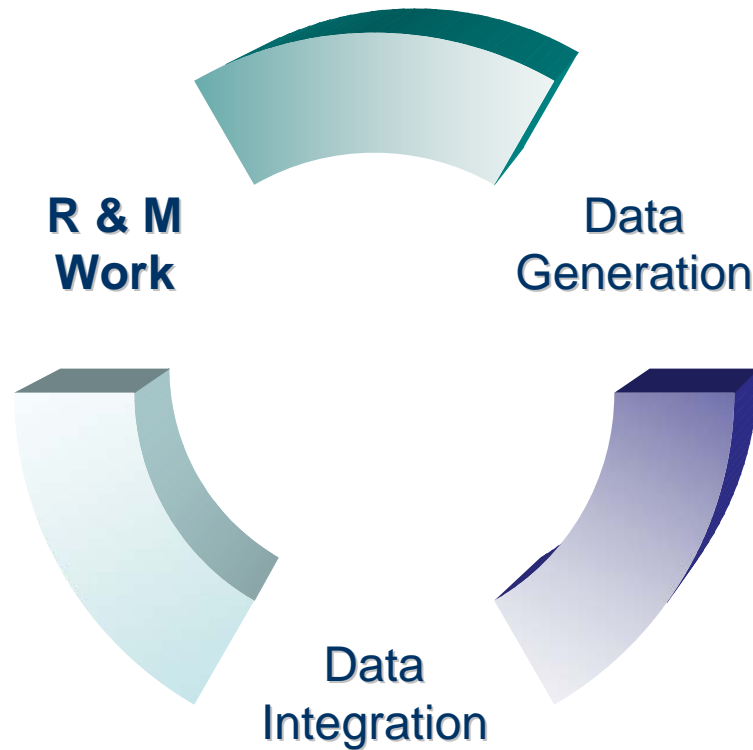
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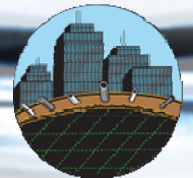
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Ongoing contract work consisting of many small repair and maintenance schemes creating daily changes to the YWS asset catalogue

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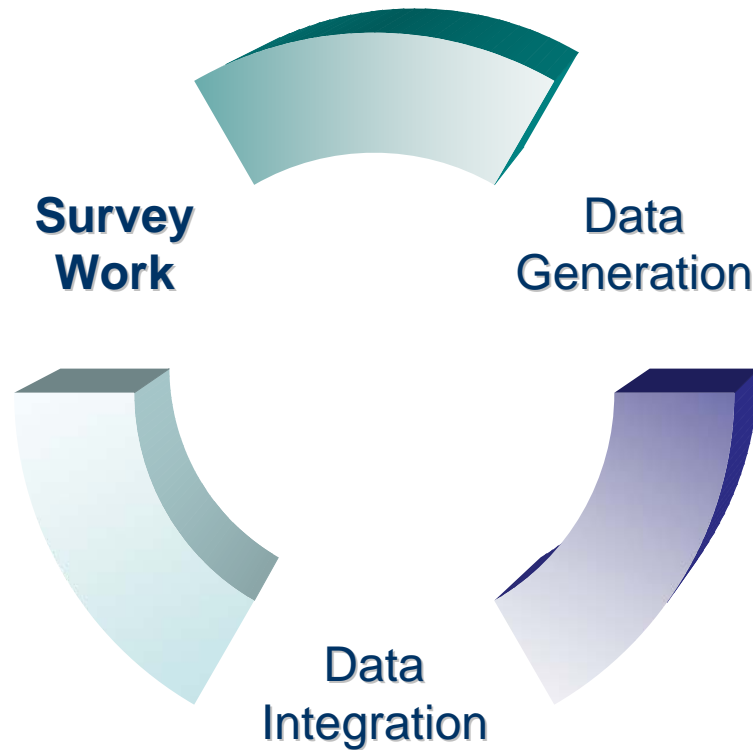
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Associated with a majority of YWS schemes, surveying of assets is the key means of updating existing asset data

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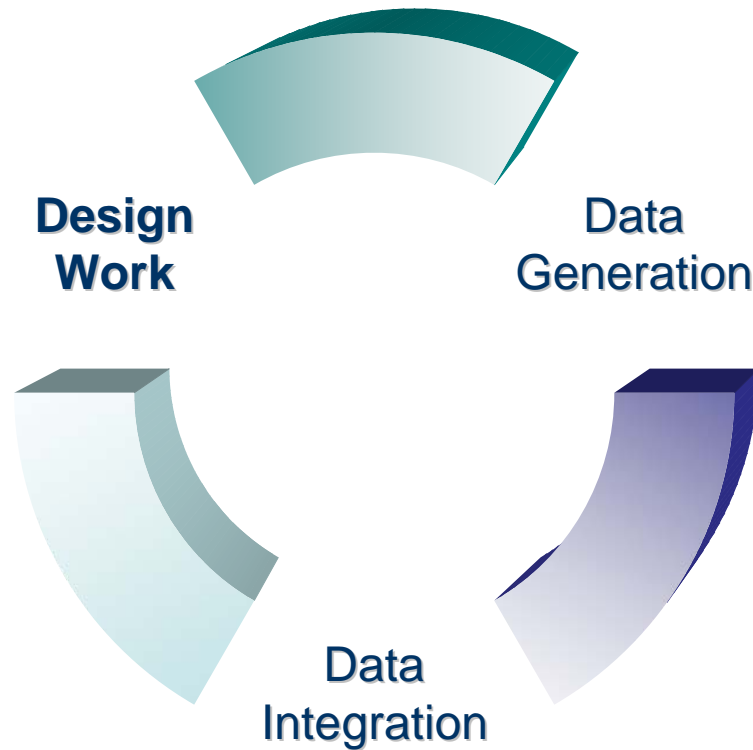
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Contract Partners can place their designs into Odyssey allowing the 'Ground to Record in 24 Hours' target to be achieved.

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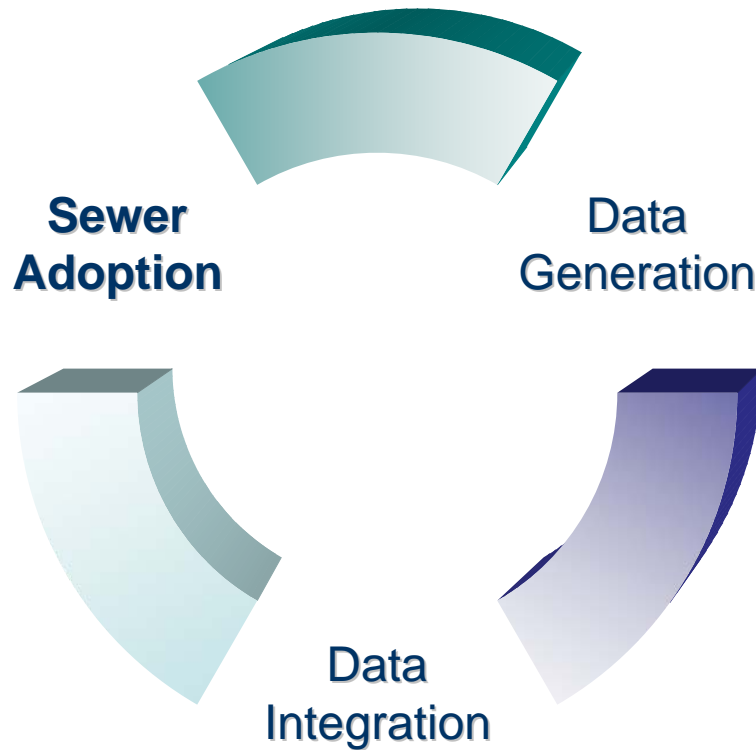
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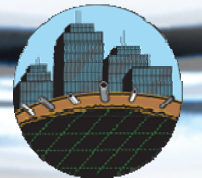
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Adoption of sewers from residential developments into the Public Sewer system is a service that also generates new data into the YWS asset catalogue

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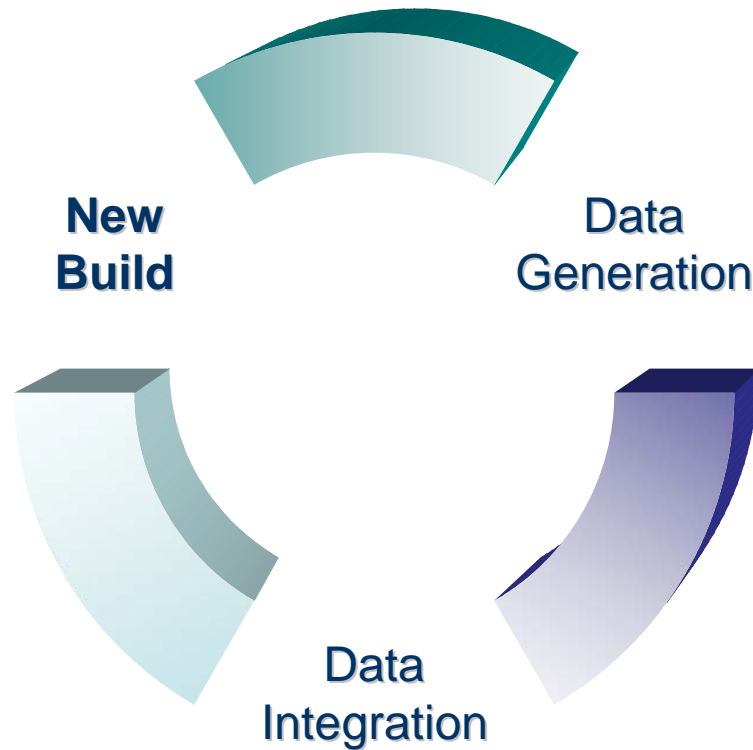
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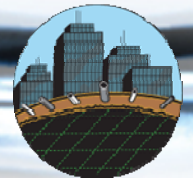
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Improvements to the system undertaken by YWS construction partners will entail asset catalogue changes

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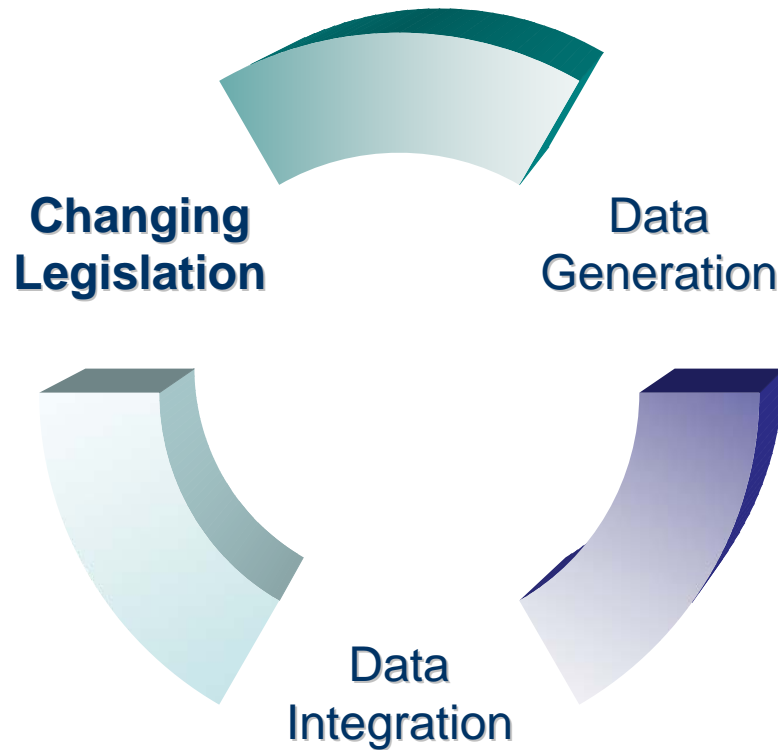
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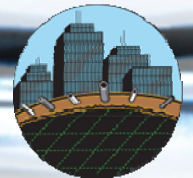
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Changes to legislation governing the operations of YWS assets also add to the data catalogue.

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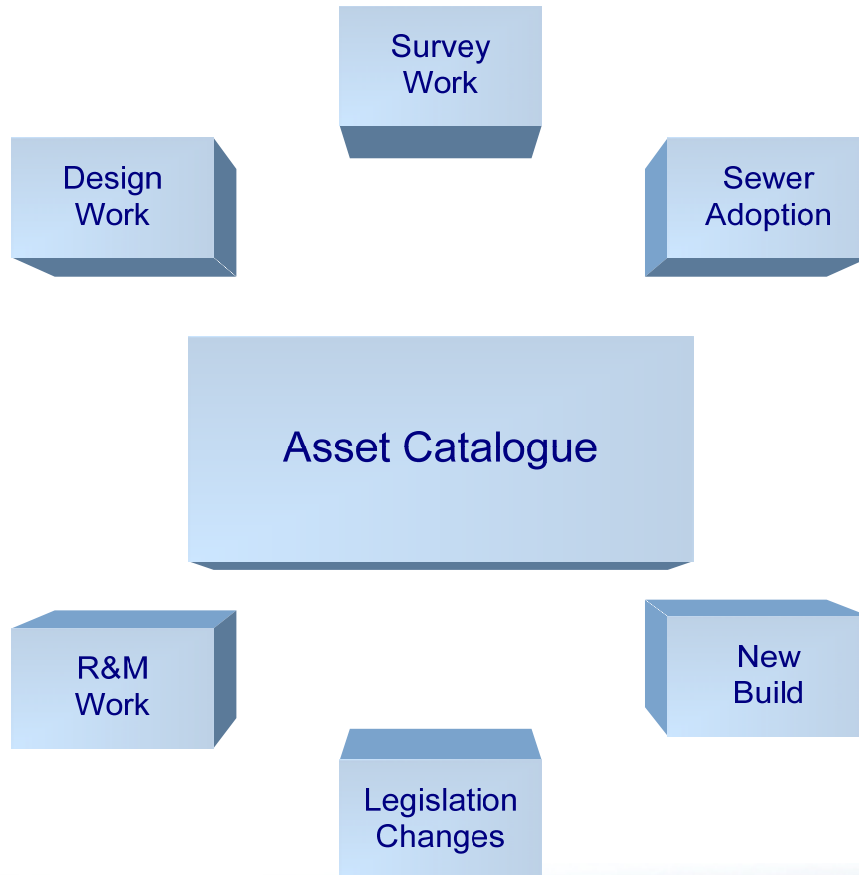
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We have now seen some of the key elements that create our dynamic asset catalogue that constantly requires attention

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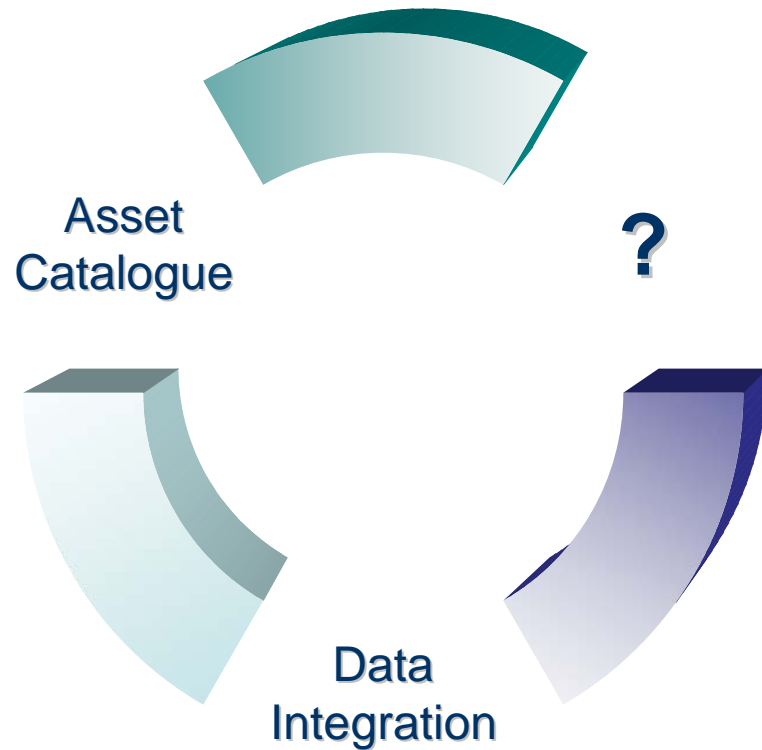
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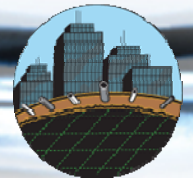
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Having identified what can incur changes to the asset catalogue data, what can those changes be?

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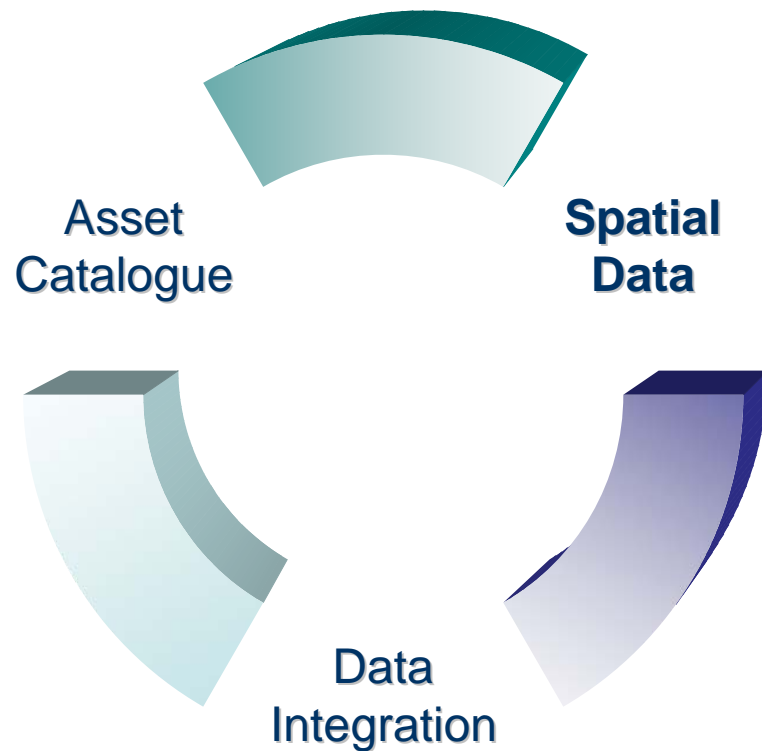
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The physical location of an asset is the 'raison d'être' of any geomatics system

Relative Location:

Referenced to an existing point on the system

Absolute Location:

Delivered and located using GPS technology

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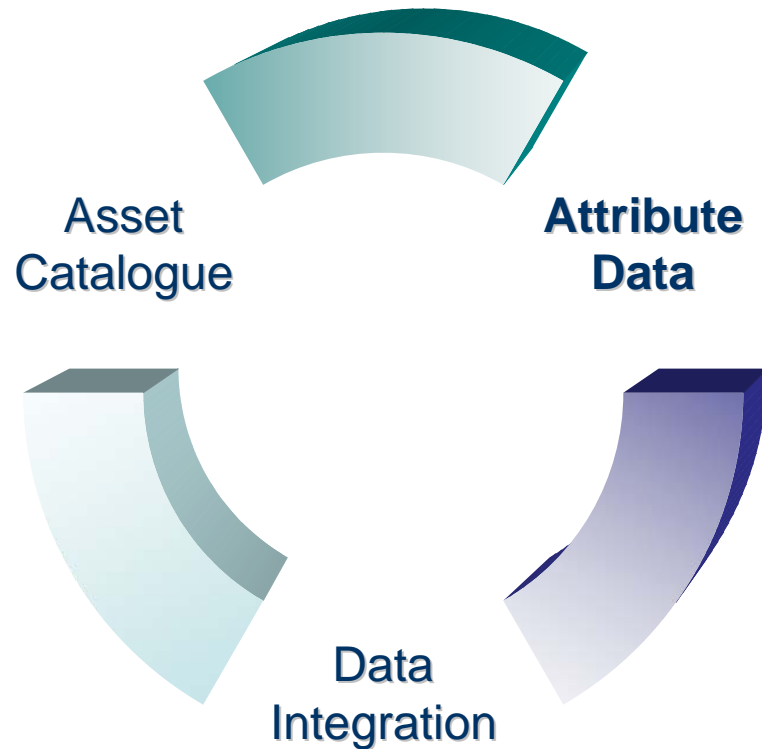
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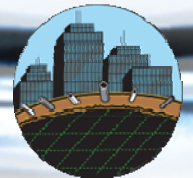
Attributes account for the majority of time invested into the Integration of asset catalogue data

Attributes:

materials, gradients, age, usage, depth, ownership, lining, control zone

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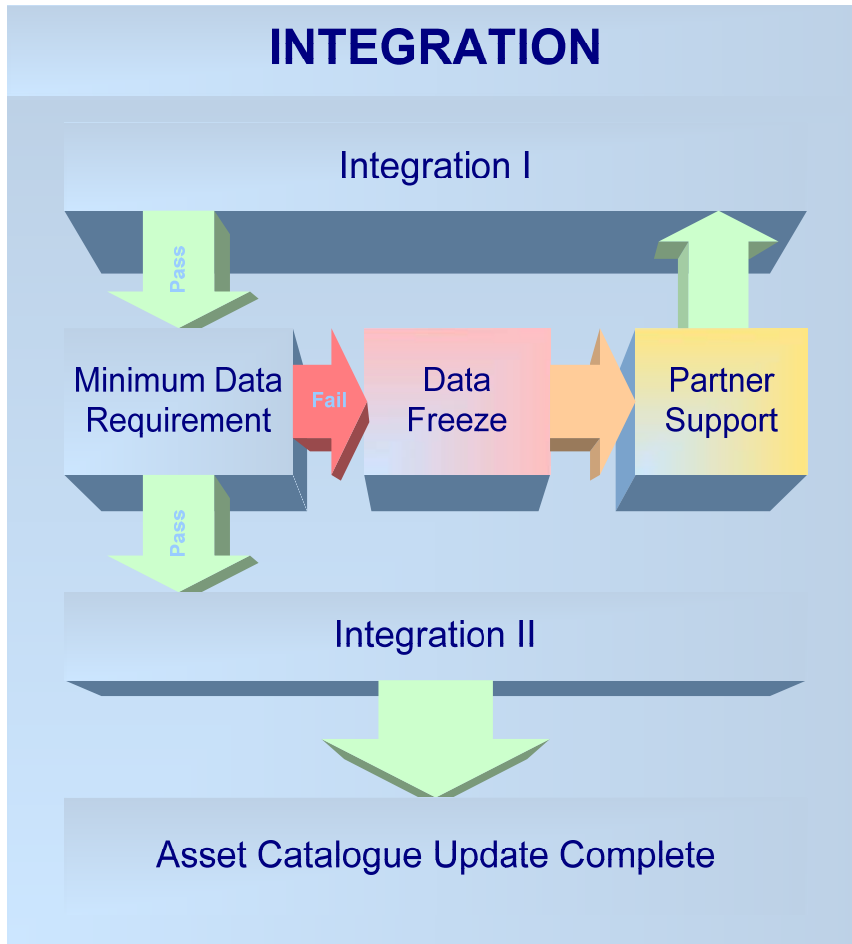
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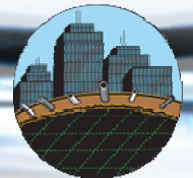
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What does Integration entail at Yorkshire Water

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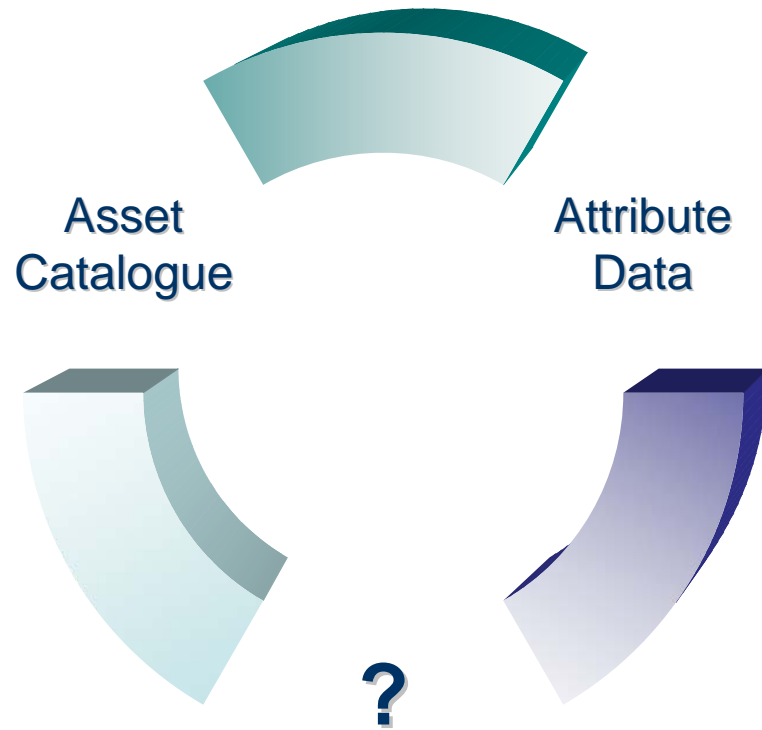




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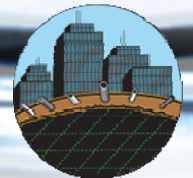
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**How have we chosen to
make our system a Leader**



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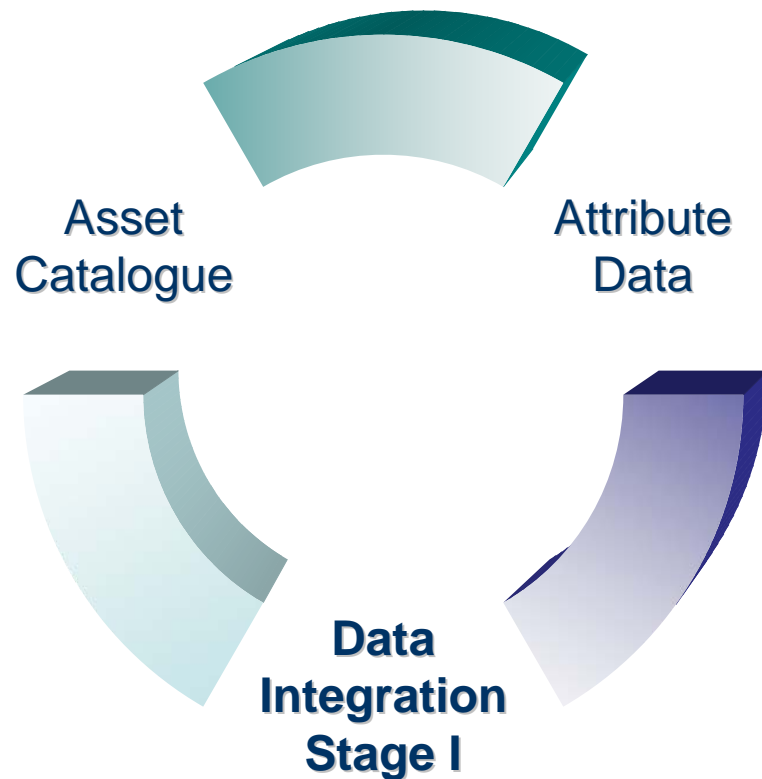
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Delivery of data to YWS is undertaken in a controlled manner to ensure that all relevant data required to undertake a meaningful change to the asset data catalogue within Odyssey is available and is 'Right First Time'

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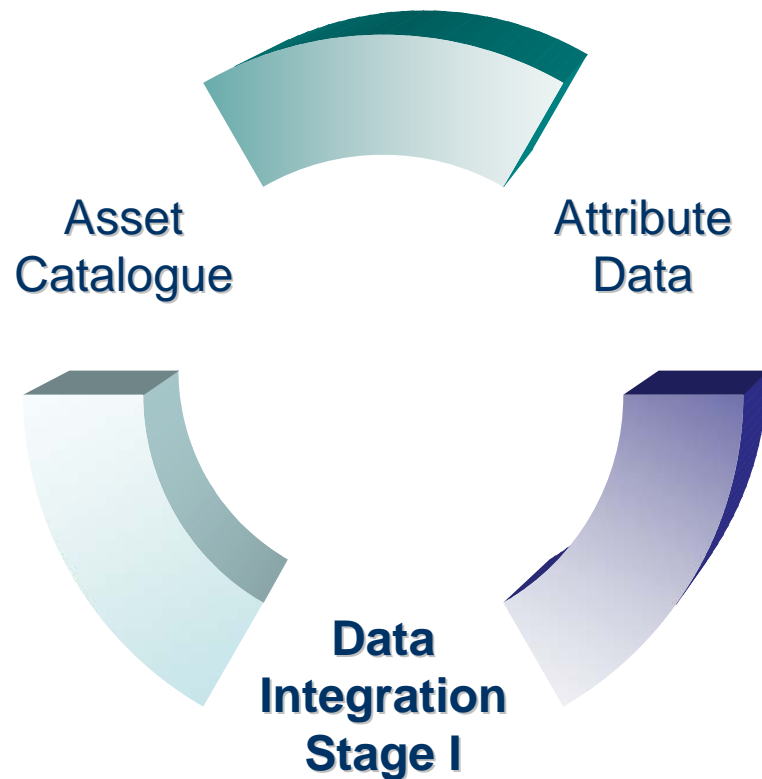
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Integration Stage I consists of primary checks on the data received to ensure it conforms with YWS Geomatics 'Minimum Data Requirements' standard

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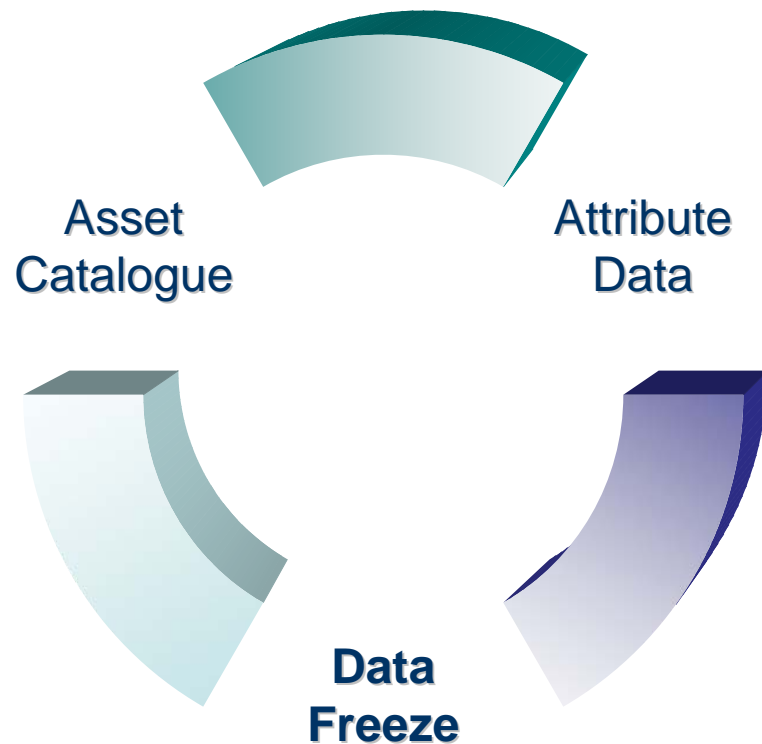
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Failure of data to reach the exacting standards set by YWS will result in a data freeze

This data-set is then passed to the partner support team for further processing

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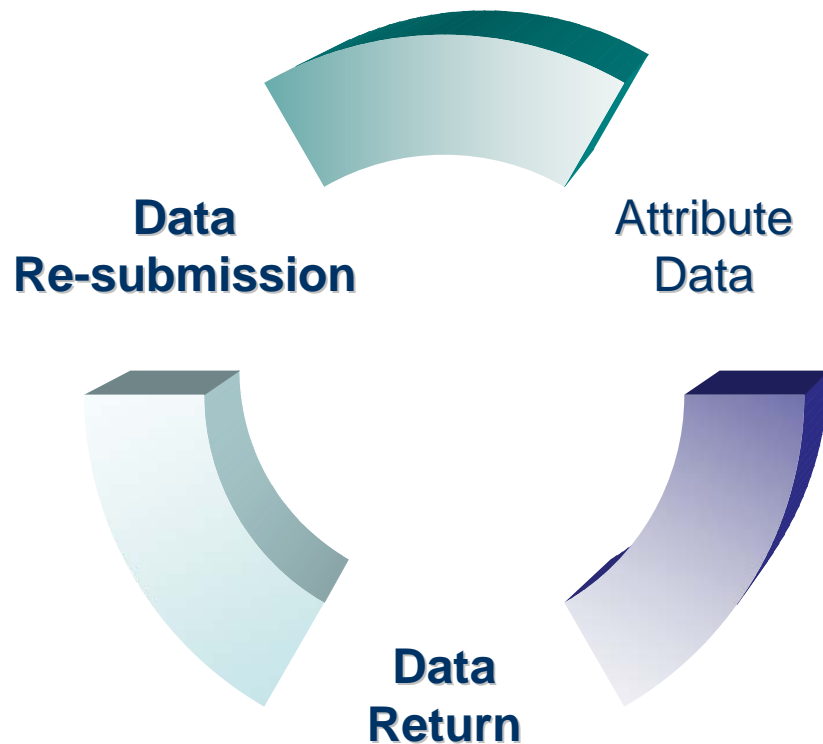
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The partner support team will then investigate the reason behind the data failure, returning the poor data to the originator for improvement and re-submission

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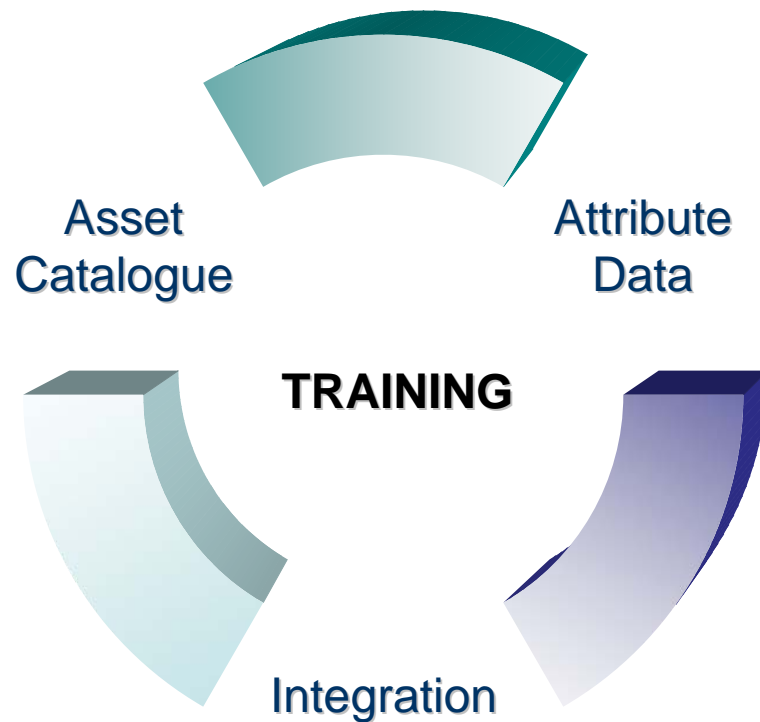
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Further training of the originator is then undertaken by the partner support team to ensure that the data is 'right first time' on subsequent submitted data changes

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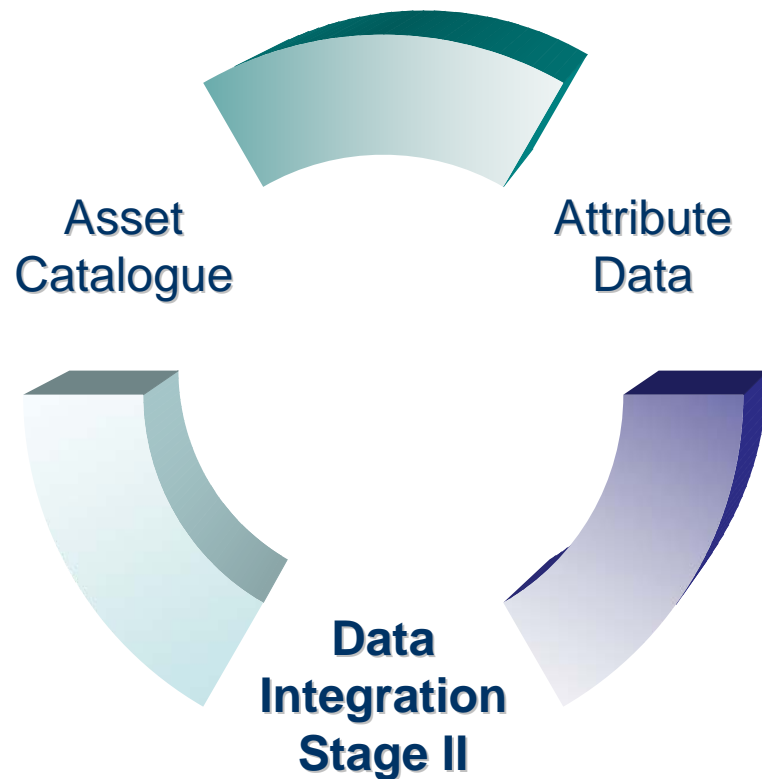
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Integration Stage II will take the conforming data and apply it to the existing Odyssey model thereby ensuring that asset catalogue changes are accurately reflected in the GIS system

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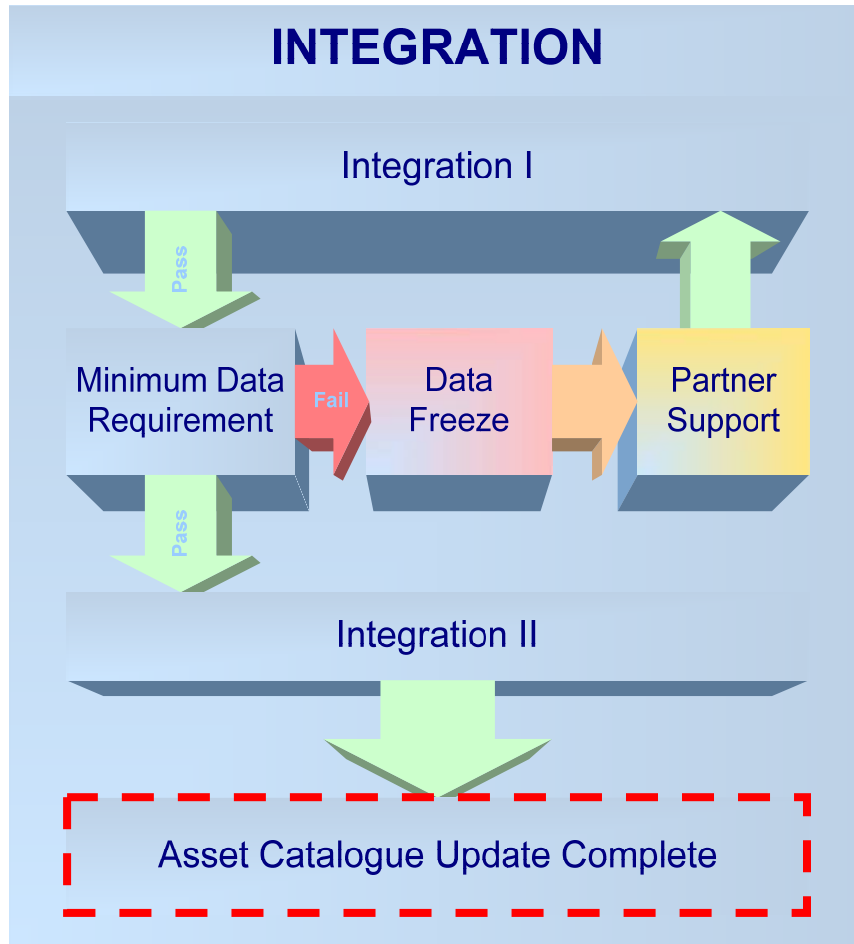
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Satisfactory integration of asset data into the record then completes the cycle, pending arrival of a new change to the asset catalogue

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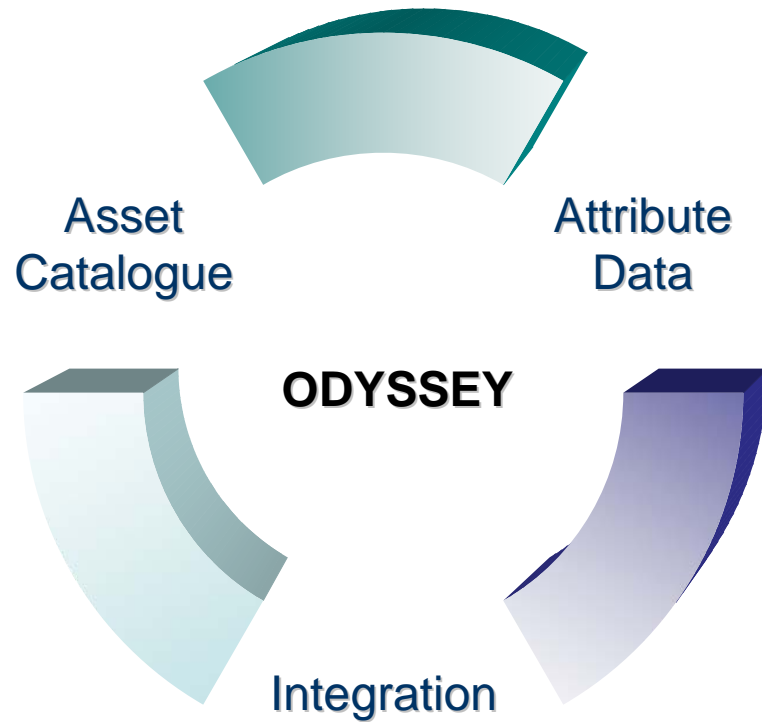
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The evolving geomatics record at Yorkshire Water, key to mapping the underworld

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