'Model Maintenance'

Presentation Title: Hydraulic Model maintenance automation with InfoWorks Exchange and ruby scripts in Affinity Water

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Synopsis:

Affinity Water is the UK's largest water-only supplier, providing more than 900 million litres of water each day to a population of more than 3.6 million people. The hydraulic modelling is part of Asset Strategy department which provides a 24/7 hydraulic modelling service for the whole company. To enable this, we need of model to be very accurate and be ready for analysis. Last year we carried out over 1000 hydraulic analysis studies and more than 470 model updates of various scales were implemented. This presentation aimed at describing benefits of model maintenance using InfoWorks Exchange to create new model new mains, valves, customer points, demand from GIS and comparison of existing model with Ruby scripts. Ruby scripts compare existing model against exchange model based on Asset ID and modeller must copy and paste missing objects in model. These scripts have saved lot of time and repeated affords of excel spreadsheets.

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