Customer Challenge: BenchMark Management, LLC's workflow involved creating 2D AutoCAD drawings of the on-site buildings while struggling to ensure that every system was coordinated properly from a 2D perspective. Benchmark's competition was already utilizing Revit and the BIM workflow approach, and so Benchmark enlisted the aid of Repro Products (RPI) to train their employees in all necessary Revit/BIM skills to remain competitive.

Project Goals

- Provide all end users a proper understanding of Revit/Revit MEP systems to create 3D BIM-based models such that they can connect to site services and coordinate with other disciplines
- Move away from the 2D AutoCAD approach and enter the 3D realm of design and coordination to gain better insight on creating projects more efficiently
- Gain the knowledge necessary to be able to perform to the level of their competition and win more work down the road

Solution: RPI tailored the Revit MEP training to teach users the necessary skills to create 3D BIM models of their buildings and to provide the proper 3D site-contextual data for their projects, thus ensuring the building systems were designed without conflicts. Most of their buildings were infrastructure-based, such as sewer systems buildings, sanitary and storm systems, waterways and parking lot sewer systems. The heart of the Revit MEP training centered on piping, conduit and plumbing systems.

Thanks to the Revit training, Benchmark was able to meet the challenges of competitors with a stronger foothold than themselves; they were able to create MEP systems for buildings with site connectivity in mind and they were able to collaborate more effectively with their outside consultants using their Revit models.

Conclusion: RPI evaluated the current benchmark workflow, the level of Revit MEP knowledge, and tailored services to maximize the effectiveness. RPI also structured virtual training spread across two weeks in order to enable the customer to absorb the training while also managing their workload.