



Time-Series databases

Quick overview

Video script

PEER Group® talks to OEMs from around the world as they are trying to make their tools smarter and integrate into the factory environment. One of the challenges that many of our more advanced OEMs are facing is massive amounts of data coming from their tool and how they're going to store it. Traditional automation solutions store data in an SQL Server or flat file type of database on your system. This approach is good because it's flexible and easily understood but is really not keeping up with modern data collection volumes.

Smart OEMs are starting to move towards something called a time-series database. Time-series databases are specifically designed to collect data that comes in on a regular basis, for example, a sensor reading that comes in every 100 milliseconds. When you combine all these different time series into one central location on your tool, it gives you the ability to store massive amounts of data and then process and read through that data so you can make key insights into how your tool is performing. PEER Group offers direct support for time-series databases using both our EIB® and our PTO® products.