

# Big data: garbage in, garbage out

Big data has become a massive phenomenon in the energy sector. The list of possibilities to improve business processes and increase ROI's seems endless.

However, the interesting thing about big data lies not so much in the 'big'. More data doesn't mean proportionally more information. The quantity of the data is worthless if its quality is inadequate.

Despite the validation qualities of many MDM systems, high quality data analysis is best secured by high quality data generation following the garbage in, garbage out principle.

## Why close device management is key in delivering the big data promise

One individual meter in a controlled environment generates high quality energy consumption data. But, when scaling up to millions the effects of errors in your installation process, missed alarms or misconfigured time-of-use registers on the quality of your meter data output grow exponentially.

On top of that, your meter data output passes a couple of architectural layers before it reaches your management systems. With every layer, the quality of the data will diminish.

So, the better the condition by which your data leaves your meter, the better its quality when it reaches your management systems. And only closely managed meters produce high quality consumption data.

## Netinium features that secure close device management:

- All-compassing device management including sim card management, setting time-of-use management or alarm register management and firmware updates ⇒ gain nearly real-time insights in the individual condition and configuration of your devices and log information of all maintenance activities
- No matter what the brand, type of architectural hierarchy of your devices, carry out your management activities from one single environment and in one uniform, standardized way ⇒ improve the quality of your processes and save the costs of maintaining different head systems
- If you wish, it is possible to apply a uniform security policy for managing all of your devices further adding up to not only a uniform but also secure business process

