

The Asset Management System of a Distribution System Operator (DSO) - The PAS55-Certification of “Stromnetz Hamburg GmbH”

Monday 12 October 2015 15:00 (1 hour)

Stromnetz Hamburg was one of the first –if not the first –DSO to receive a PAS55 certification in Germany. Stromnetz Hamburg operates the power distribution grid in the metropolitan area of Hamburg, Germany. With a total grid length exceeding 27.000 km it supplies power of annually about 12.6 TWh to more than 1.3 million clients. Good life cycle management and maintenance is a merit to operate all the assets of such a power grid safely and reliably.

The British PAS55 code released in 2008 in its second edition gives good guidance in establishing an asset management system for such physical assets. Stromnetz Hamburg defined all required documents from asset management policy over strategy and objectives to asset management plans and established the process to manage all its physical assets' life cycles according to a holistic risk based approach. Within this process the essential line of sight is established by annually updating the bottom-up planning for each of the asset groups feeding in any risks to either the business objectives or any well-defined performance indicator. Thus all efforts Stromnetz Hamburg spends aim towards the accomplishment of the business objectives.

The convincing concept Stromnetz Hamburg presented to UMS Group Europe as certifying body end of 2013 led to the receipt of PAS55 certification for three years. With the successor code ISO 55000 being released early 2014 Stromnetz Hamburg now intends to receive the ISO-certification in 2016 when the recertification is due.

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