

Company reference

Project title	TrenDAP Development	
Contractor (Business name/work group)	Grid Protection Alliance	
Duration of the service provision (esp. commencement and finalisation of services)	August 24 2020	December 31 2021
Contract volume in USD (excl VAT)	202,000.00 USD	
Own contribution to the contract volume (excl VAT)	202,000.00 USD	
Business name customer (=Contracting Entity back then):	Electric Power Research Institute, Inc. ("EPRI")	
Contact person, customer (incl. telephone, email):	Tom Cooke + 1 865 218 8010 tcooke@epri.com	

Brief project description (where applicable information about the participation in the work group):
<p>The objective of this project was to define the analytics required for trending data to support power quality and disturbance analysis business processes at electric utilities and then to implement these analytics in an open-source trending-data analytics platform to be called TrenDAP.</p> <p>For both performance, ease of management of metadata and the requirement for integration with other GPA tools such as the openSEE waveform display tool, TrenDAP will require use of the data layer for PQ periodic data that is part of the openXDA/Open PQ Dashboard suite of products. This data layer will be non-proprietary and fully open with emphasis on ease of integration with other corporate information systems. Currently, this data layer is provided by GPA's openHistorian. Other more generally implemented data layer technologies are being investigated by GPA as a preferred solution from both technical and business perspectives.</p>

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Former client confirming the reference details

As a representative of the reference client,

(Business) Name of company (incl. VAT-number) (former client confirming the reference details)

I confirm by my signature that according to my knowledge the reference project mentioned above meets the conditions mentioned above and that the services have been provided in a good and professional manner.

Per email, Thomas Cooke, 1-20-2023
Date and signature with name(s) in block letters

If any such certification is not available, it may be replaced by a simple declaration on the part of the applicant.

Surrogate certification by the Applicant:

I confirm as representative of the applicant/ consortium of applicants by my signature that the certification by the reference's customer is not available and therefore declare by this surrogate certification that according to my knowledge the reference project mentioned above meets the conditions mentioned above and that the services have been provided in a good and professional manner.

Date and signature with name(s) in block letters