

A stylized map of the Asia-Pacific region (APAC) in white, overlaid with a network of yellow lines and dots representing a global or regional communication network. The background is a dark teal color with a subtle geometric pattern of light blue lines and dots.

APAC Sales Meeting

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Eetarp Engineering Pte Ltd
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Project overview



Project	Equinix (Datacenters)	Start	2007 to 2022 (in phases)
Customer	Equinix	Value	~ S\$4.9mil (€3.2mil)
Project Phase	100% Done		
Customer Goals	<p>Power Quality and Energy Management</p> <ul style="list-style-type: none"> • Automate energy billing for co-location customers • Reduce human error and improve facilities management efficiency • Monitor and record power quality 		
Project Description	<p>Equinix, Inc. is an American multinational company headquartered in Redwood City, California, that specializes in Internet connection and data centers. The company is a leader in global colocation data center market share, with 210 data centers in 25 countries on five continents.</p> <ul style="list-style-type: none"> • Equinix SG1 – Migrated power meter from BMS to Graphene • Equinix SG2 – Graphene, Meters and Service • Equinix SG3 – Graphene, Meters and Service • Equinix SG4 (YTD) – Graphene, High-Range-Meter, and Low-Range meters. • Outlook: Equinix SG5 in planning 		

Final Product Pictures



Application (Picture)



SYSTEM STRUCTURE



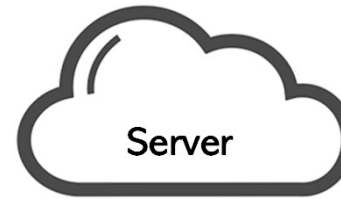
Graphene Meter (+Sensors)



RTU Panel



Data Concentrator,
Protocol Converter



Server



Data Logging, Data Communication, Data
Processing, System Management

Workstation



Live Monitoring Graphical Display, Data
Trending, Alarm Analysis, Data Report

At a glance



Customer problem

- Manual record of energy readings
- Manpower resources cost and limitation
- Energy billing data inaccuracy
- Billing report customization
- Unsatisfied with existing supplier

Solution

- 20+ highly customized reports
- Automation of meter readings
- Improvement of billing process (Reports)
- Standardization among datacenters

Benefit for the customer

- Avoid penalties for wrong billing
- Reduction of human error
- Faster and smoother processing time
- Synergies for new projects: “copy/paste”
- Manpower savings

Project scope

~ S\$4.9mil (€3.2mil)



CUSTOMER MAP



Source: <https://www.equinix.com/data-centers>