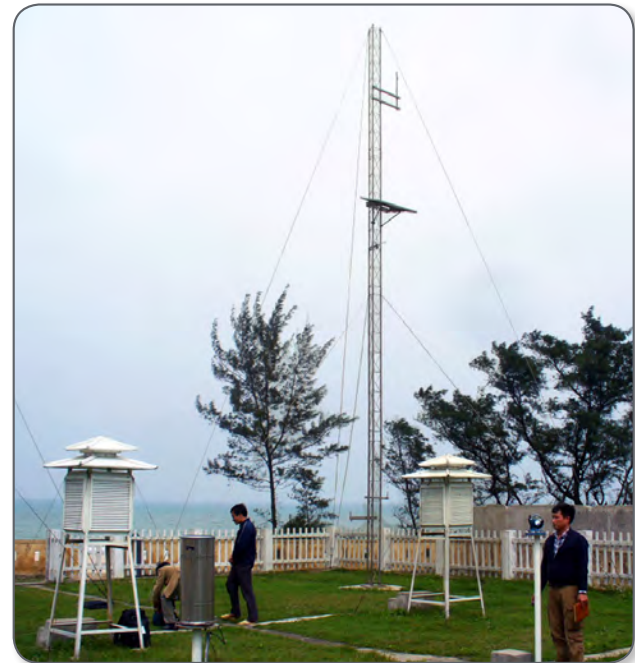




Vietnam - 16 Automatic Weather Stations (AWS)

CLIENT	REXCO Hanoi Company		
END USER	National Hydro-Meteorological Service of Vietnam		
PROJECT LOCATION	Vietnam		
PROJECT PURPOSE	Measure weather & solar radiation parameters		
CLIENT CONTACT(S)	Name - Mr. Nguyen Minh Duc Title - Sales Manager Email - nav.sales@rexco.com.vn Phone - +84 435620516		
END USER CONTACT(S)	Name - Duong Van Khanh Title - Director Email - kxanhhms@yahoo.com Phone - +84 912110992		
CONTRACT #	Contract #: MNATA-REX/004-13		
VALUE	\$1,078,282		
DATES	March 2013 awarded July 2013 equipment delivery 2014 Installation on-going as of May		
EQUIPMENT	Wind Sensor	05106	RM Young
	AT/RH	5600-0316-1	Sutron
	Accubar Barometer	5600-0120-2	Sutron
	Rain Gauge	52202	RM Young
	Pyranometer	WE300	Global Water
	Evaporation	6529-3	Unidata
	Wave Sensor	600KHz AWAC	Nortek
	Float Sensor	H-3342	Waterlog
	Pressure Sensor	PDCR 1830	Druck
	Radar Sensor	SEBAPuls30	Seba
	Conductivity	EC-250	Greenspan
	Datalogger	9210 (XLite)	Sutron
	Iridium Modem	ISBD-1-O	Sutron
	GPRS Modem	GPRS-1-O	Sutron
PROJECT OVERVIEW	The project required provision of equipment for 16 automatic weather stations, 10 of which were equipped with an AWAC for the collection of (ocean) wave data. These 16 stations are located on the coast and on islands near the mainland at existing weather station sites & will eventually replace the older stations. Control Center software (XConnect) was supplied to receive, store & display data from the stations. Telemetry was provided via GPRS or Inmarsat.		



New Met Tower Constructed within Existing Site Vietnam Automatic Weather Station Project

WAVE PARAMETERS FROM THE AWAC	Max Wave Height	Hmax	once/hour
	Peak Wave Period	Tm02	once/hour
	Current	Tp	once/hour
	Current Direction	DirTp	once/hour
	Speed at Wave Column 1	Spd1	20 min measmnt*
	Direction at Wave Column 1	Dir1	20 min measmnt*
	Speed at Wave Column 10	Spd10	20 min measmnt*
	Direction at Wave Column 10	Dir10	20 min measmnt*
	Speed at Wave Column 20	Spd20	20 min measmnt*
	Direction at Wave Column 20	Dir20	20 min measmnt*
TELEMETRY	GPRS or Inmarsat depending on the GPRS coverage of the particular site.		

* Measmnt = Measurement