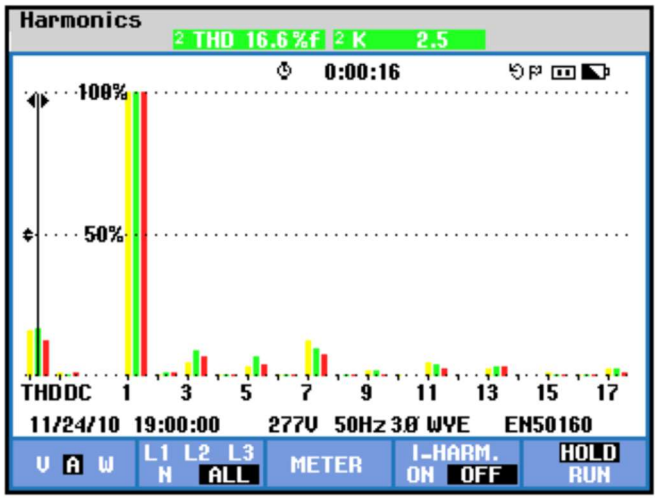
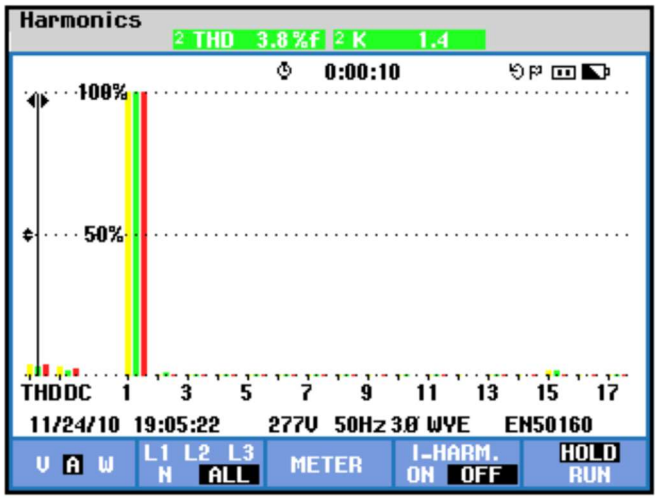
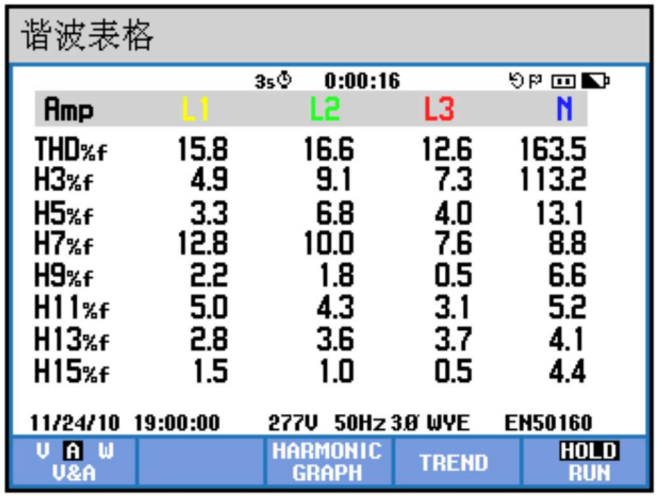
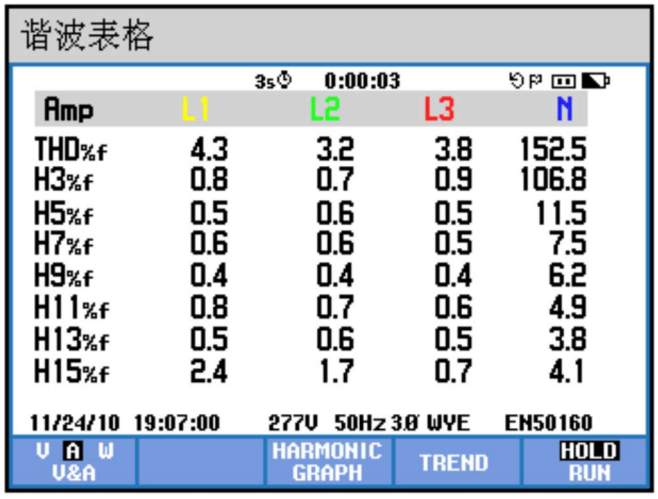
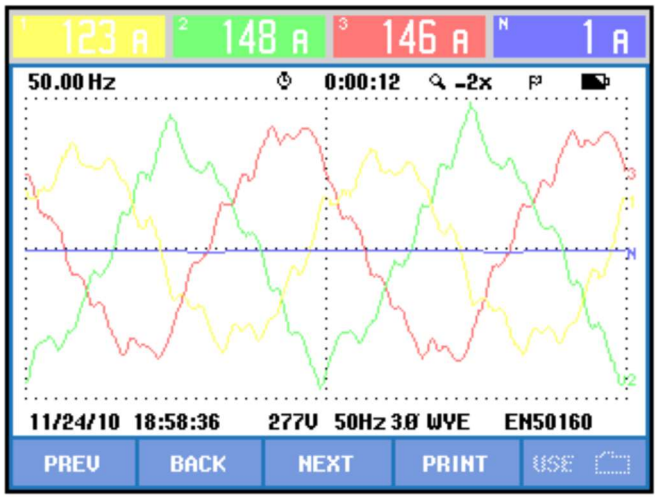
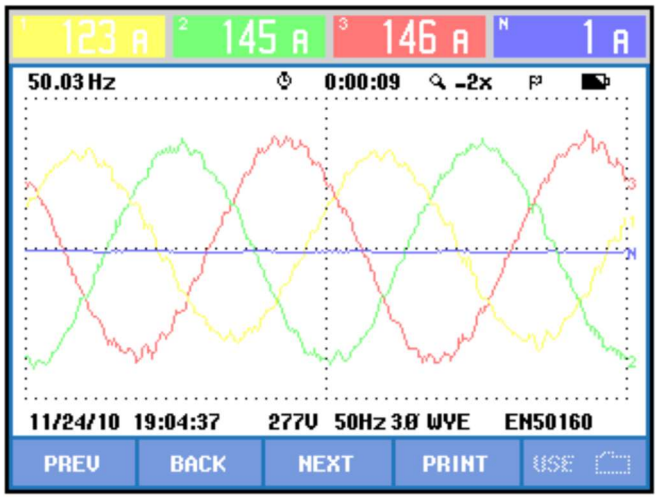
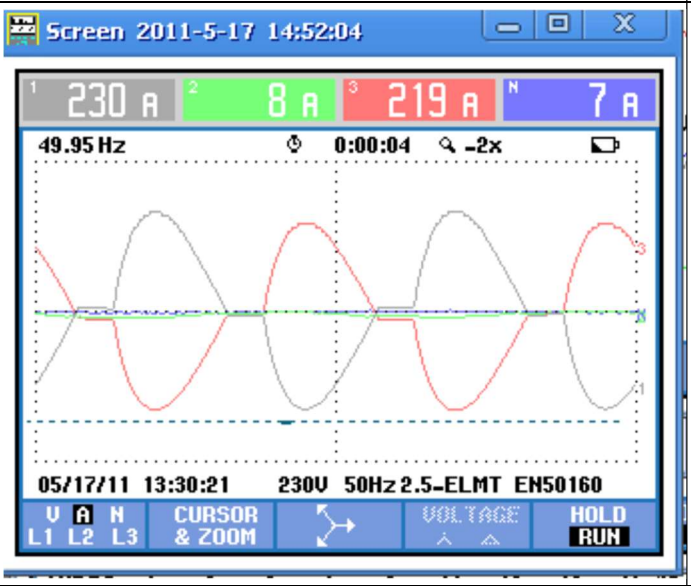
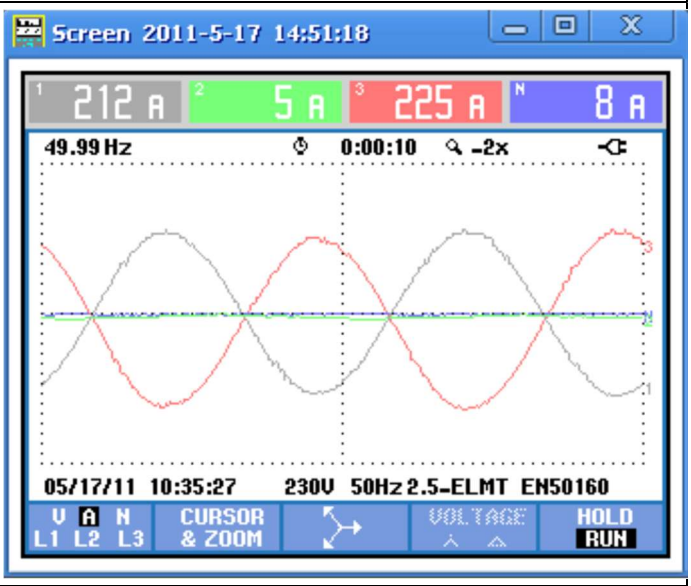
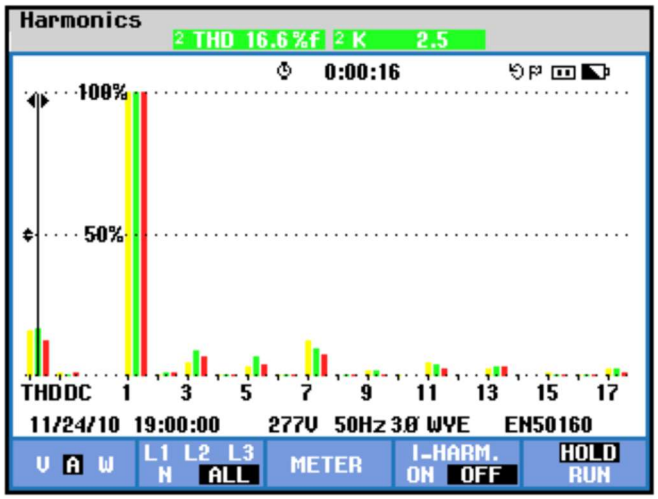
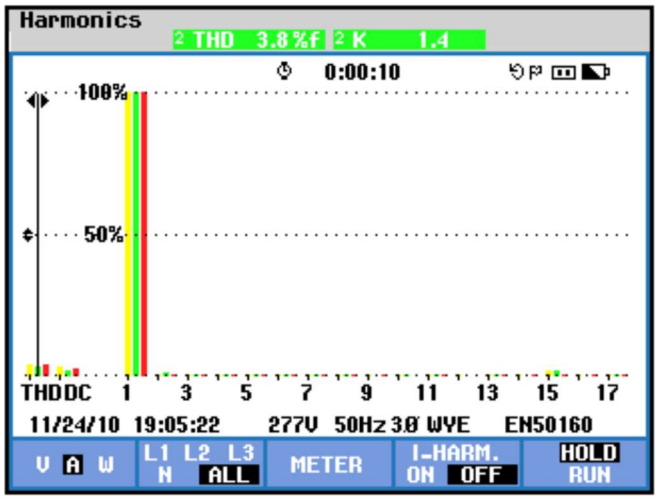
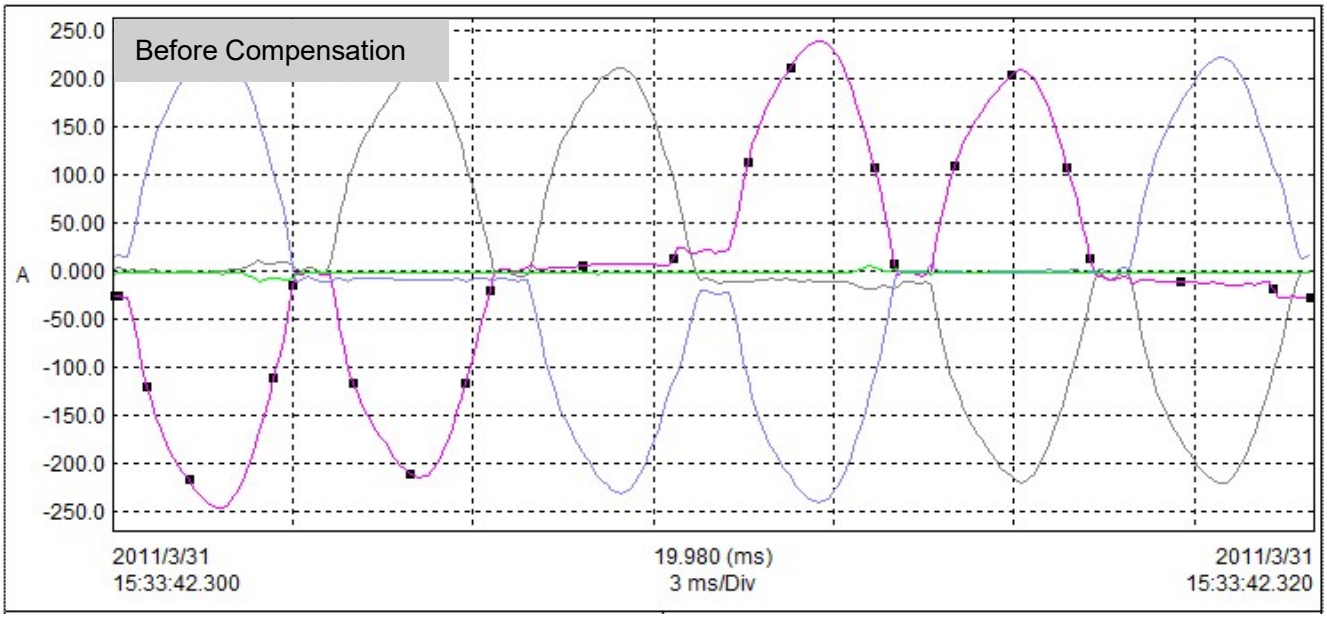
China Unicom: UPS

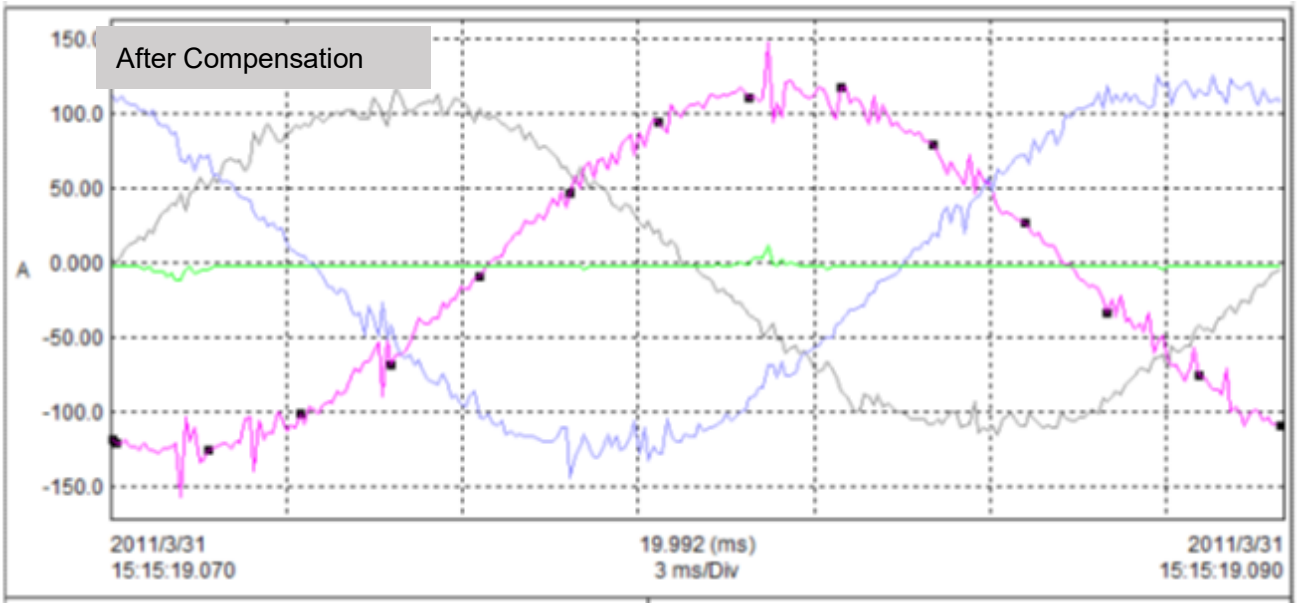
Before Compensation	After Compensation
	
	
	

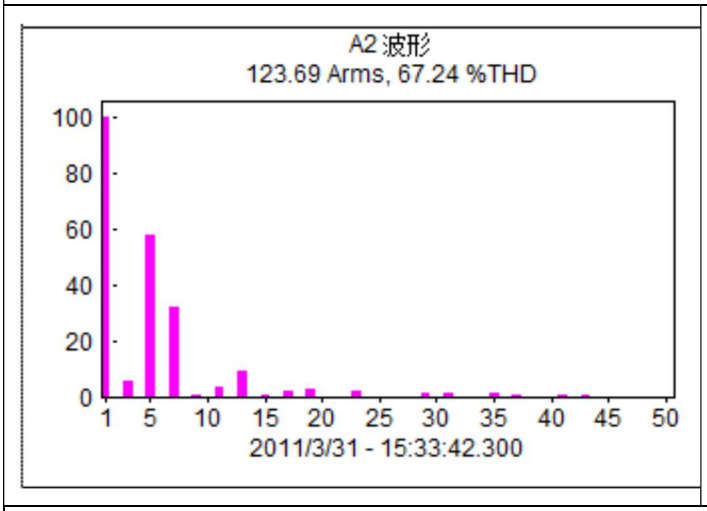
China Unicom: UPS

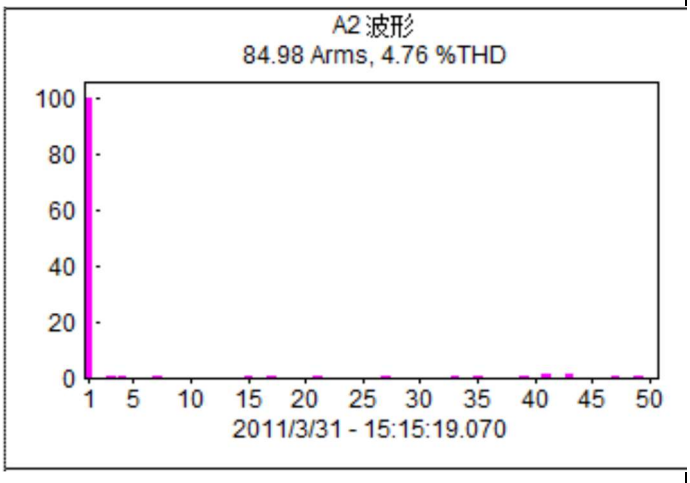
Before Compensation	After Compensation
	
	

OCT East: Flywheel motor

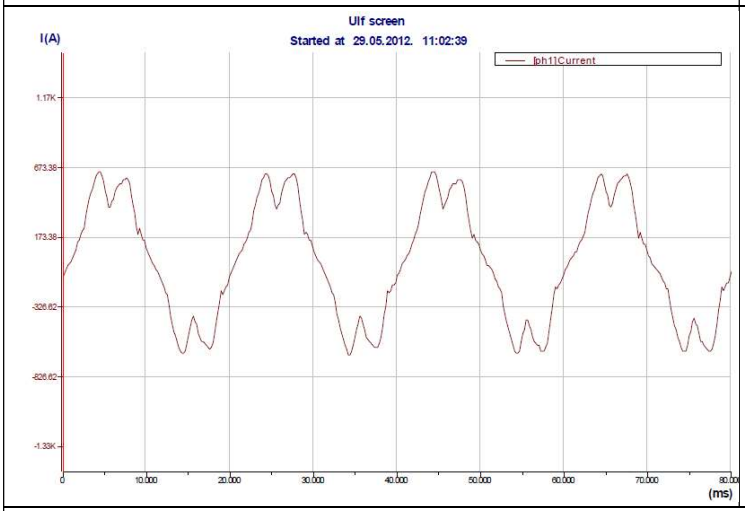


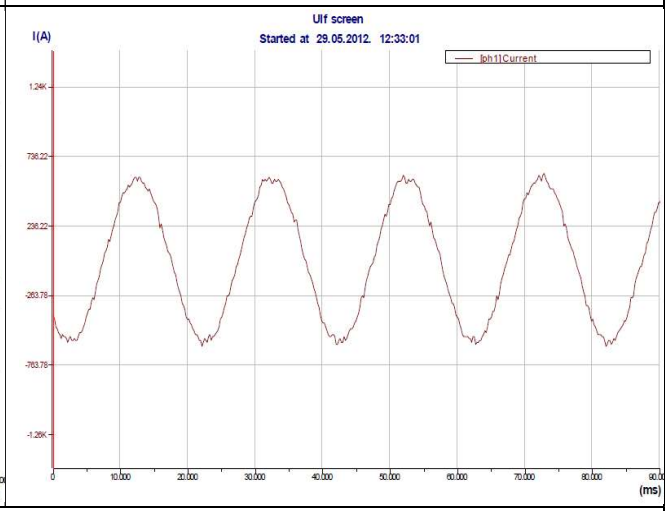






Yingli New Energy: Non-linear Load





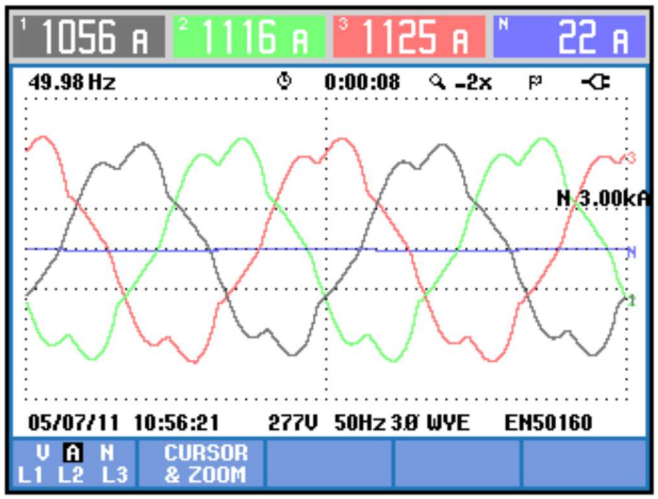
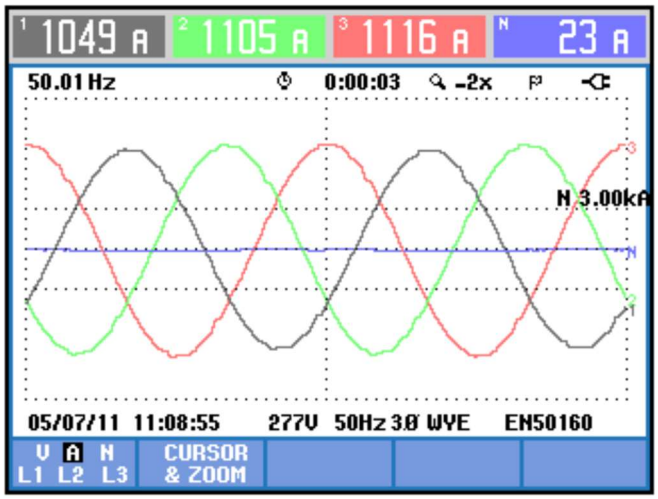
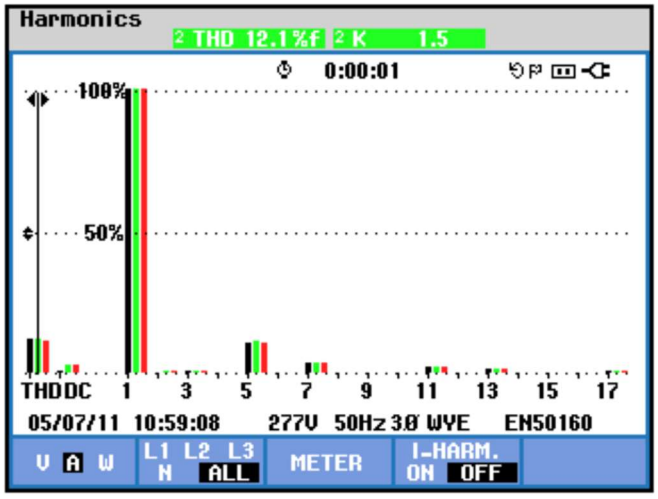
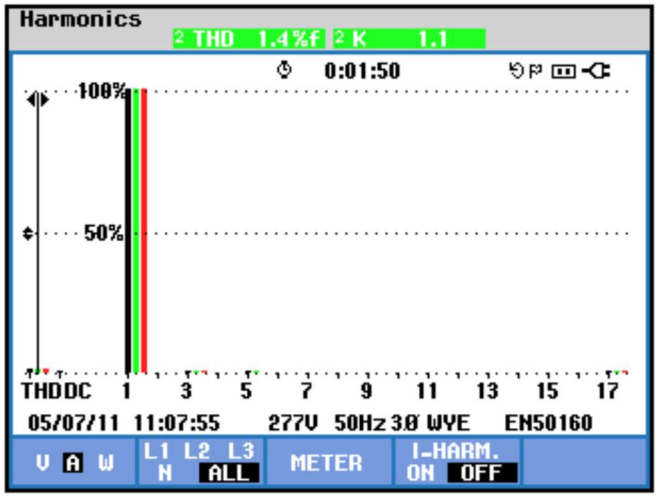
Symbol	Name	Unit	L1	L2	L3	Total
U	Phase voltage	V	229.9	228.7	229.3	
I	Phase current	A	422.247	425.467	425.085	
S	Apparent power	MVA	0.097	0.097	0.097	0.292
P	Active power	MW	0.093	0.093	0.094	0.280
Q	Reactive power	MVAr	0.026	0.028	0.027	0.081
PF	PF		0.96	0.95	0.96	0.96
cosPhi	cosinus Phi		0.98	0.98	0.98	
THD U	Total harmonic distortion	%	1.5	1.6	1.5	
THD I	Total harmonic distortion	%	19.5	19.8	19.5	
	Inductive, Capacitive		i	i	i	i
Uxx	Phase to phase voltage	V	(U12) 395.5	(U23) 395.6	(U13) 400.4	
THD Uxx	Phase to phase voltage - THD	%				
Inull		A				24.882
Freq						50.00

Before Compensation

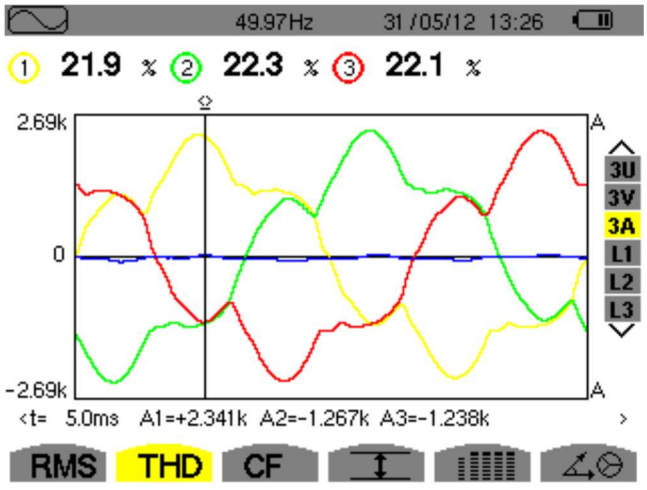
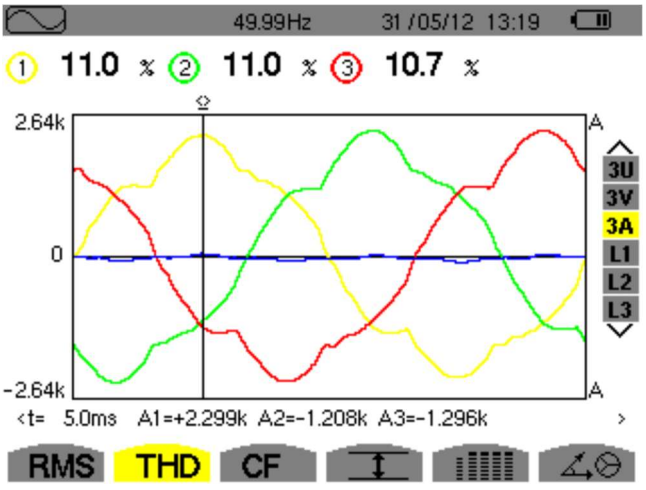
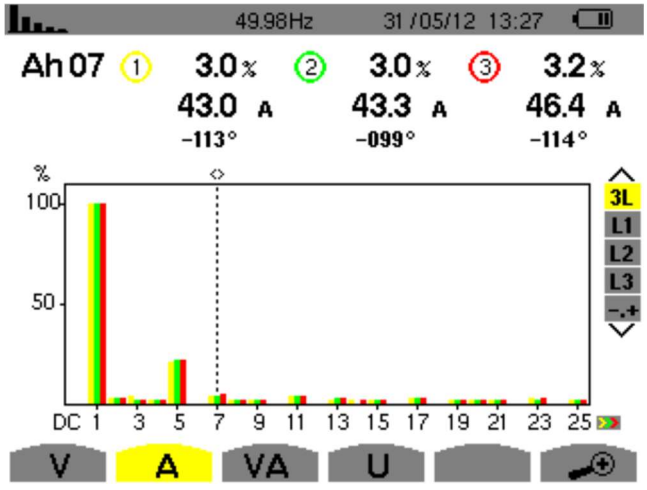
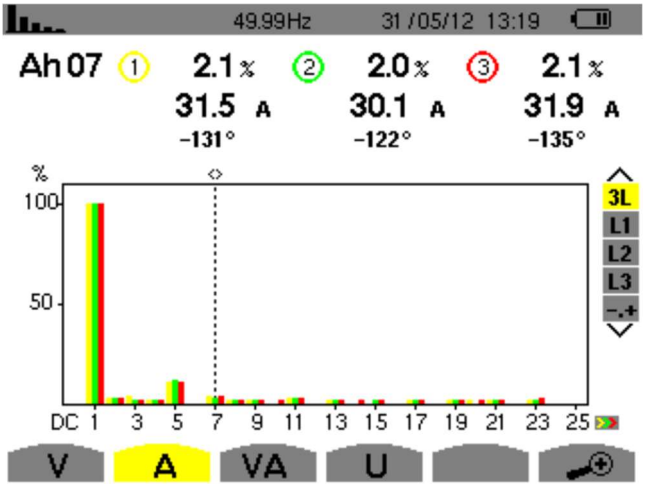
Symbol	Name	Unit	L1	L2	L3	Total
U	Phase voltage	V	231.7	230.9	228.6	
I	Phase current	A	416.163	420.559	380.362	
S	Apparent power	MVA	0.096	0.097	0.087	0.280
P	Active power	MW	0.095	0.093	0.084	0.273
Q	Reactive power	MVAr	0.016	0.027	0.021	0.064
PF	PF		0.98	0.95	0.97	0.97
cosPhi	cosinus Phi		0.99	0.96	0.97	
THD U	Total harmonic distortion	%	1.0	1.1	1.0	
THD I	Total harmonic distortion	%	3.0	3.2	3.6	
	Inductive, Capacitive		i	i	i	i
Uxx	Phase to phase voltage	V	(U12) 400.3	(U23) 396.3	(U13) 400.5	
THD Uxx	Phase to phase voltage - THD	%				
Inull		A				20.589
Freq						49.99

After Compensation

Nanhai Green Electric

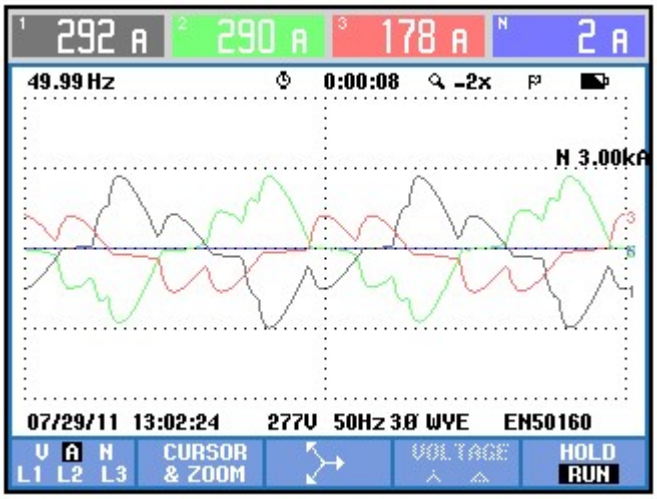
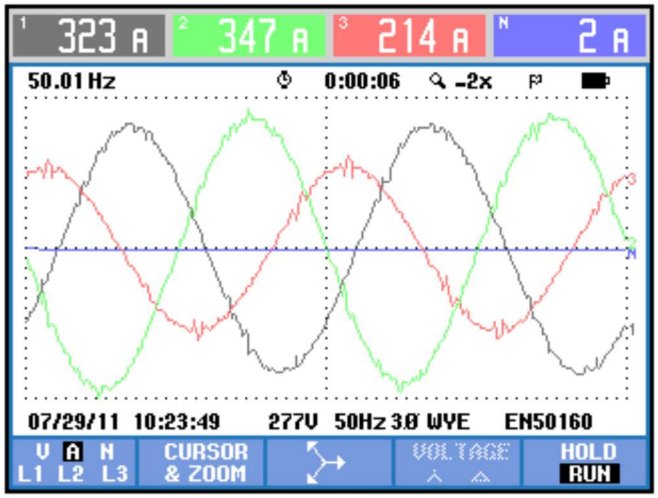
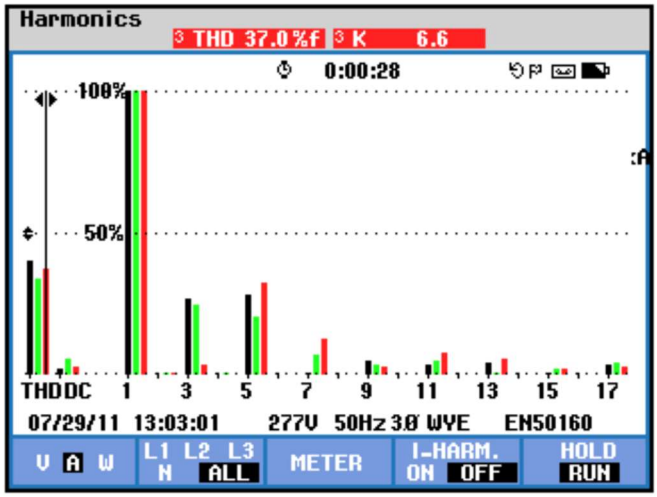
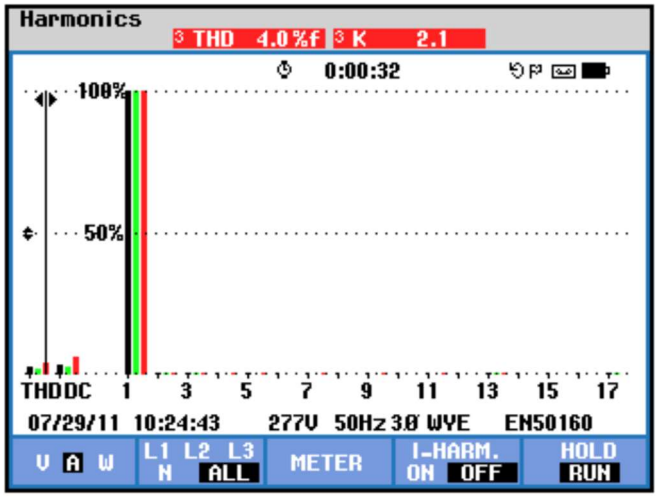
Before Compensation	After Compensation
	
	

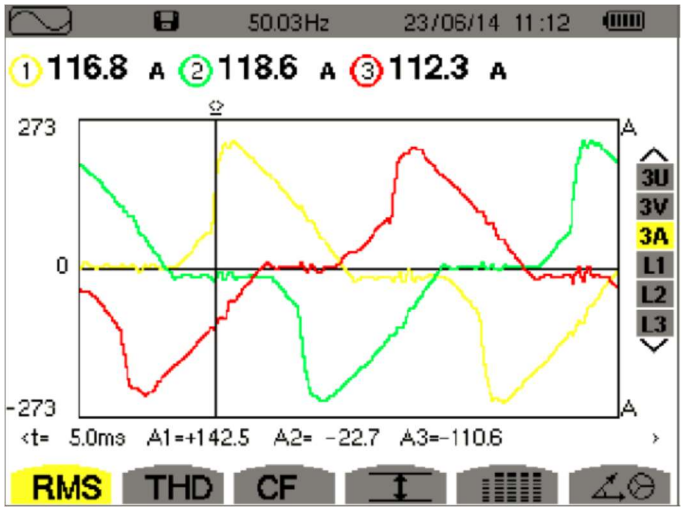
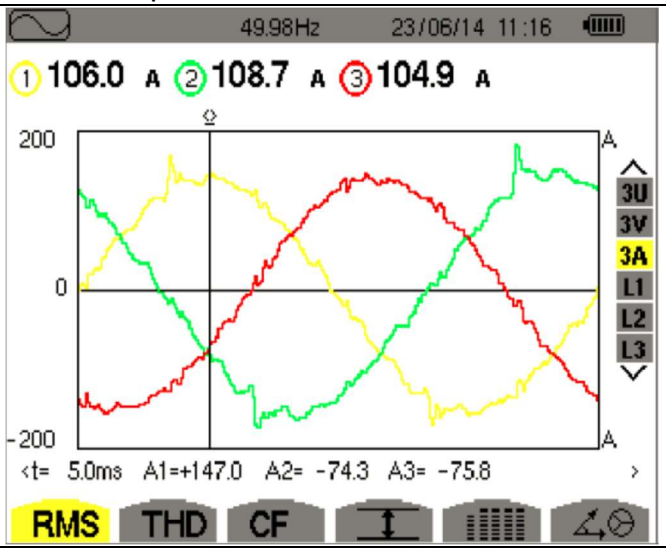
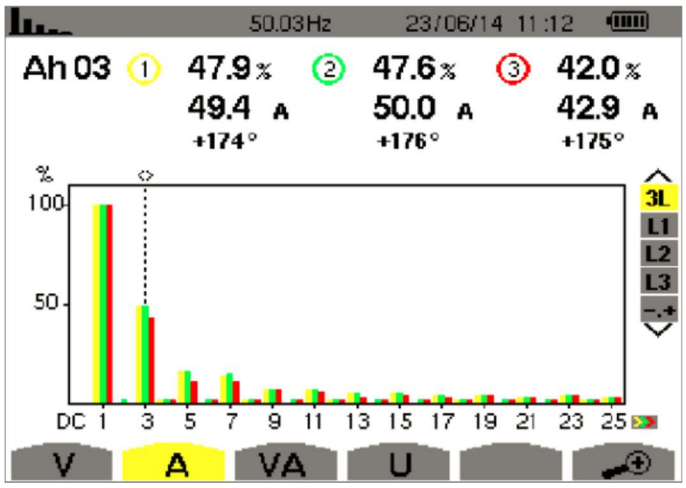
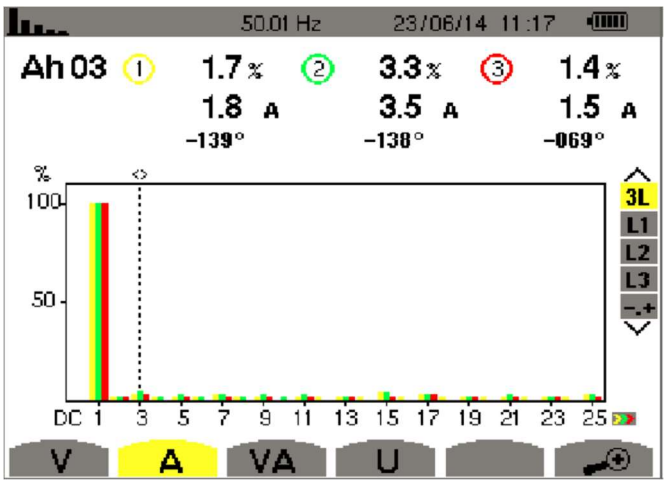
Wolong Electric: Charge and discharge motor

Before Compensation	After Compensation
	
	

The total harmonic current is 342A, but only 200A AHF is installed. There is some harmonic current not to be compensated.

Silian Photoelectric: Furnace

Before Compensation	After Compensation
	
	

Theatre and Art Center:

Before Compensation	After Compensation