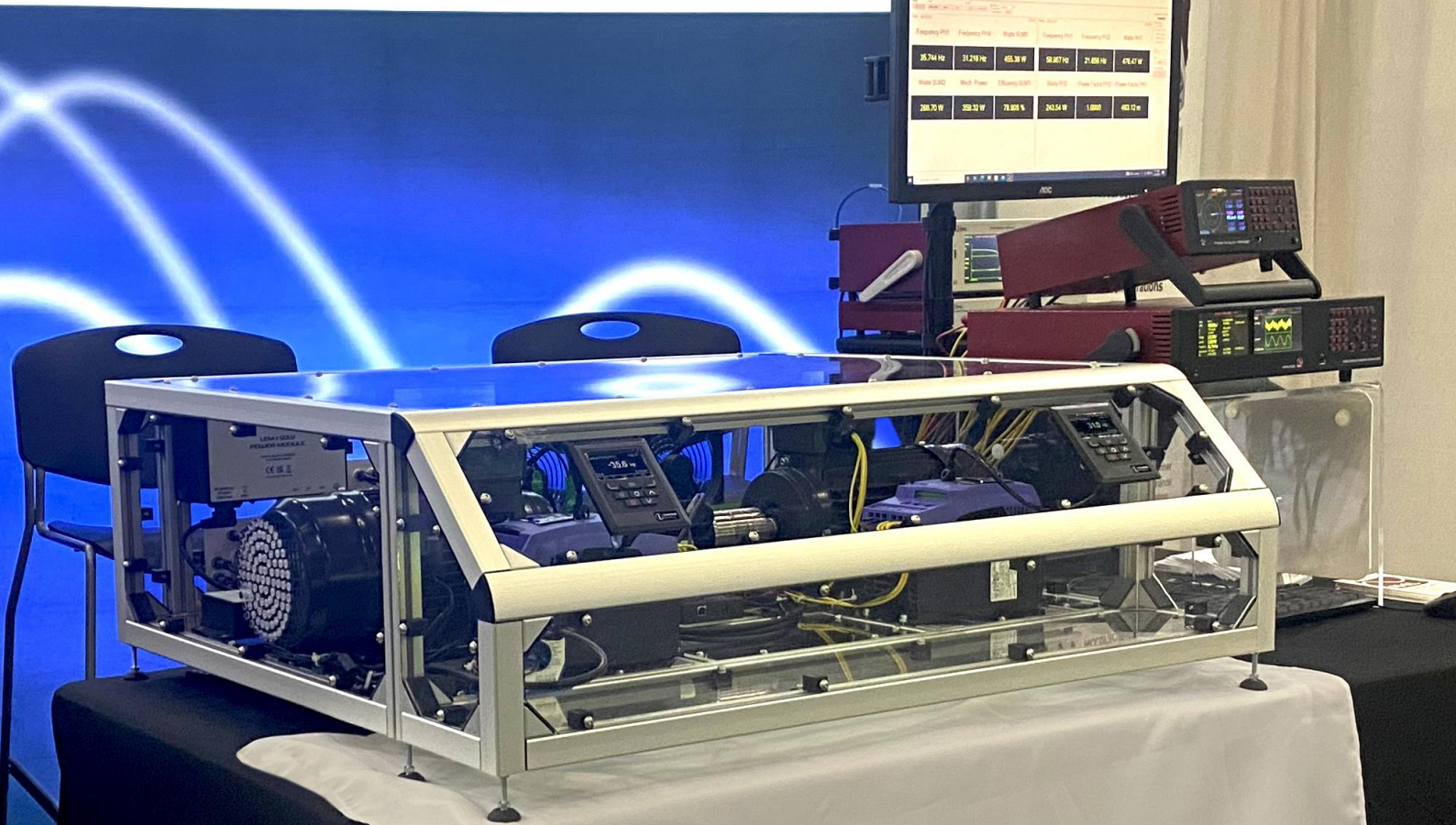




Newtonson4th Ltd

Leadership in Power Analysis



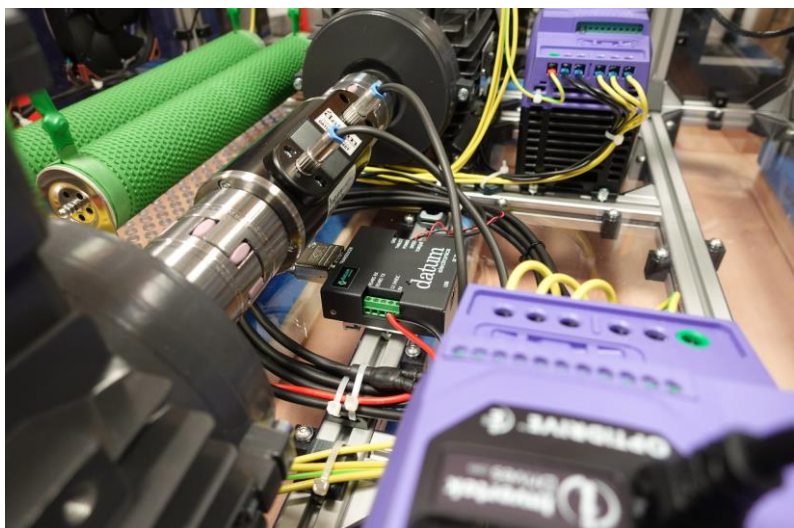
APEC Motor Demo System gives REAL measurements

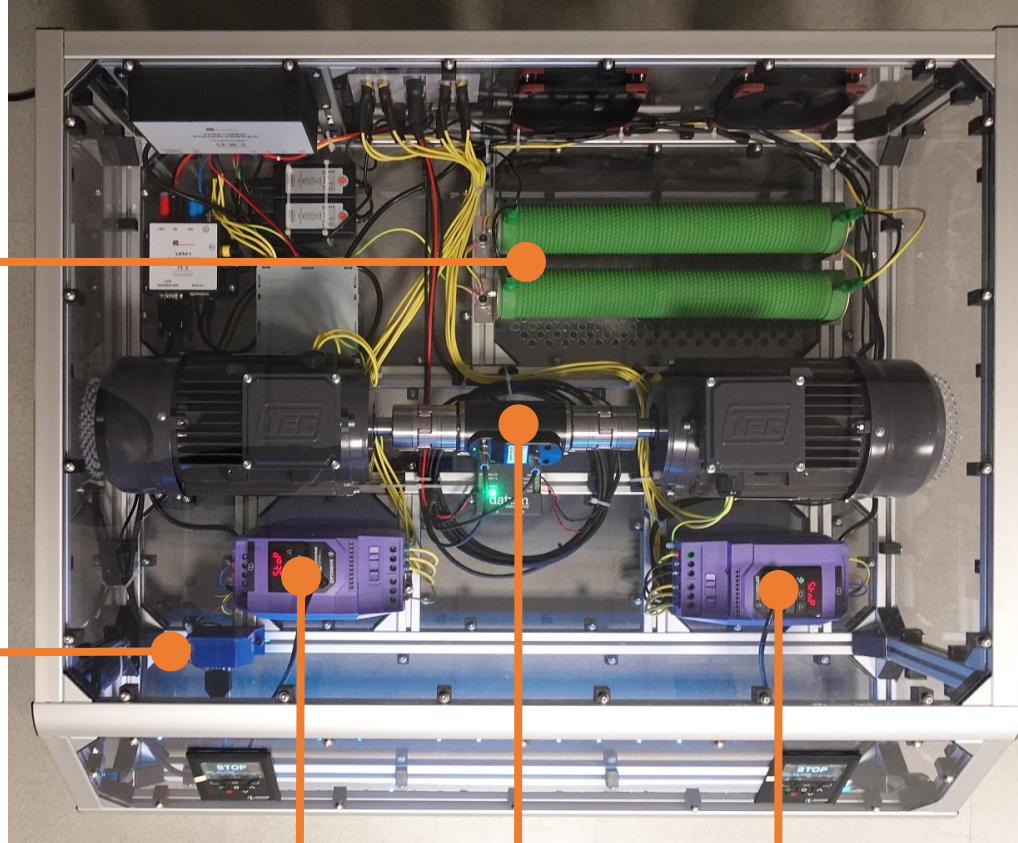
Our “Power measurement Techniques” document ref: [D000625_2](#) explains why the complex nature of today’s power electronic applications represent a technical challenge for many digital instruments that look good on paper but in practice, don’t achieve the performance that is expected or needed in power conversion analysis.

Offering engineers that work in variable speed inverter and motor applications something much more meaningful, N4L developed a back-to-back three phase motor dyno system that was presented at the APEC 2022 exhibition in Houston.

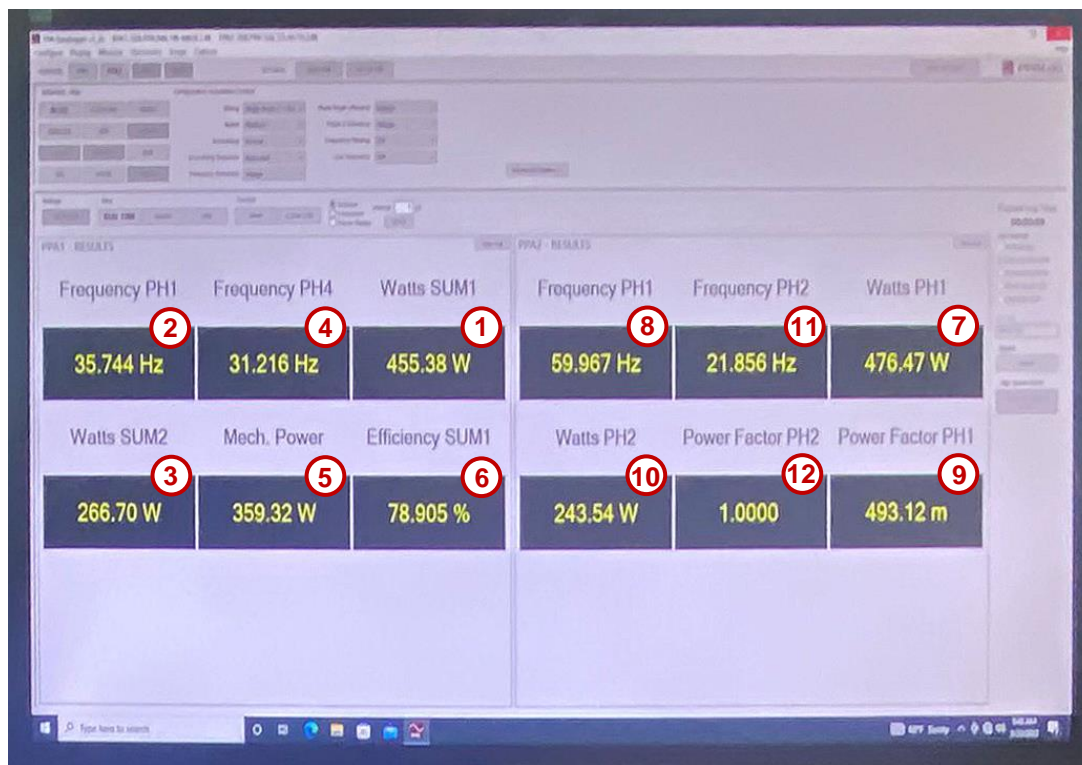
Measurement of electrical power at 8 points plus Torque and Speed, all presented and recorded real-time in our standard PC software

Customers were pleased to see an instrumentation supplier whose focus is not on glossy brochures, but a clear and practical demonstration of the measurements they need.





PPALog PC software
(Up to 240 measured or derived functions)



- ① 3Ø Motor Drive Power
- ② 3Ø Motor Drive Freq
- ③ 3Ø Motor Load Power
- ④ 3Ø Motor Load Freq
- ⑤ Mechanical Power
- ⑥ Elect to Mech efficiency
- ⑦ 1Ø Input Power
- ⑧ 1Ø Input Frequency
- ⑨ 1Ø Input Power Factor
- ⑩ Load resistor power
- ⑪ Load pulse frequency
- ⑫ Load Power Factor