

# KeLVN

## LV Network Monitoring & Active Network Management

26<sup>th</sup> May 2020

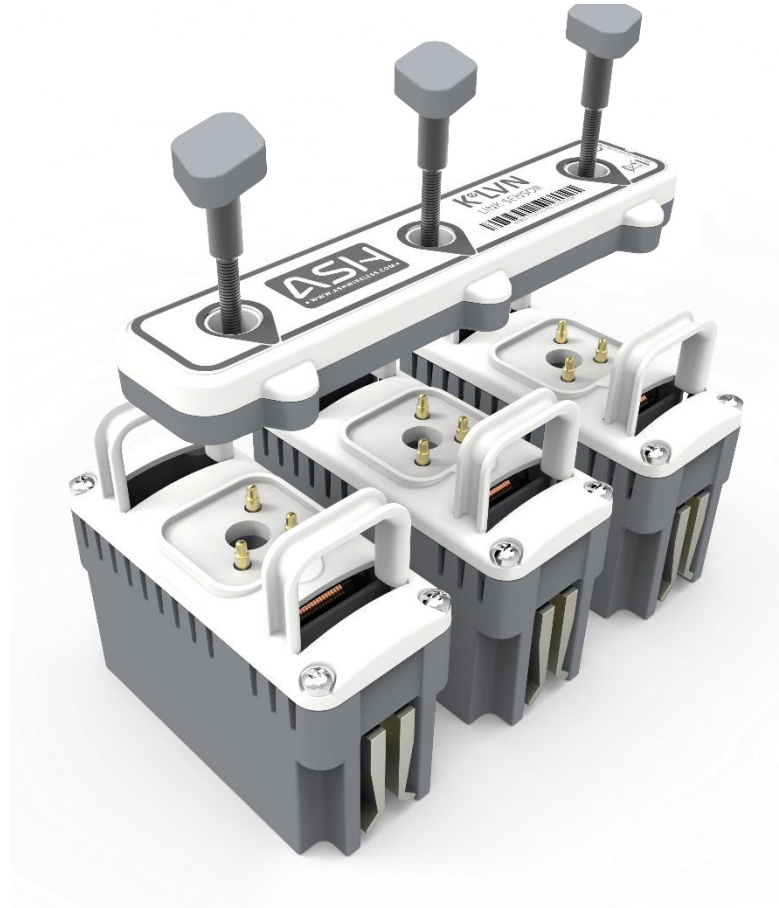
# LinkMon – Link Box Monitoring

Part of the K<sup>e</sup>LVN family of products designed by ASH for LV Network monitoring and Active Network Management

LinkMon is a retrofit remote link box monitoring solution designed as part of the Active Response project.

Monitor key metrics:

- P (Real power)
- Q (Reactive power)
- I (Current)
- V (Voltage)
- T (Temperature)



Features:

- Safety-first retrofit installation on live links
- Daily logging via wireless hub
- Alarms triggered asynchronously when metric thresholds breached
- In the future, low-latency data and fuse monitoring are planned

# LinkBreaker – Link Box Circuit Breakers



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LinkBreaker is a remote link box circuit breaker solution designed as part of the Active Response project.

- Real-time monitoring of P, Q, I, V, T
- Remote network reconfiguration
- Control fault levels
- Adjustable protection curves for forward and reverse power



Features:

- ASH patent-pending mechanical switch technology
- Very low resistance
- Breaks fault currents >20kA
- High cycle life: >10,000 switching operations
- Load currents of 400A
- Compact to fit in link box form factor

# SSMon – Substation Monitoring

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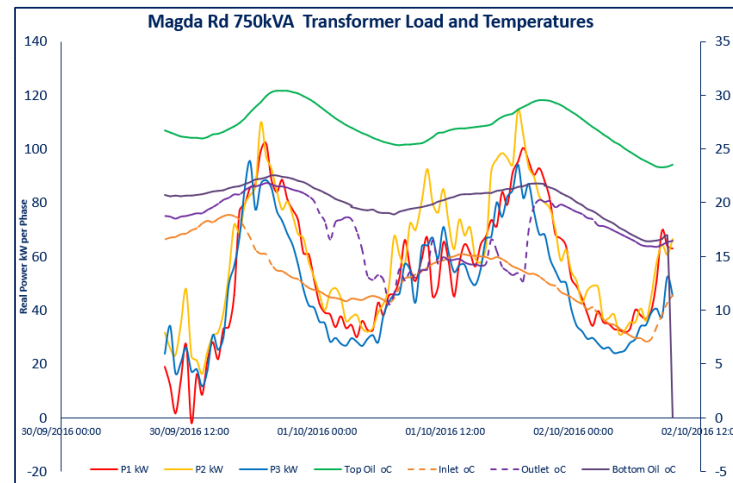


SSMon is a retrofit remote substation monitoring solution designed as part of the Celsius project.



Monitor key metrics:

- Transformer surface temperature
- Ambient temperature
- Current, Voltage, Real power & Reactive power



Features:

- Potential for integration with Active Network Management solutions providing real-time substation data
- Proven custom integrations with Ricardo backend and an ASH server solution
- Simple retrofit installation using magnets or cable ties