

Monitoring Momentary Cessation of IBRs with Synchrophasors

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Momentary Cessation

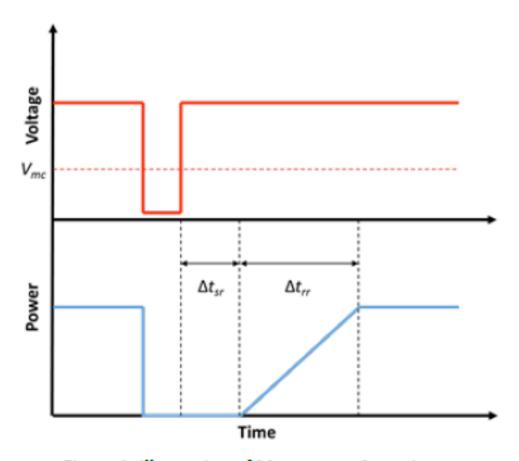
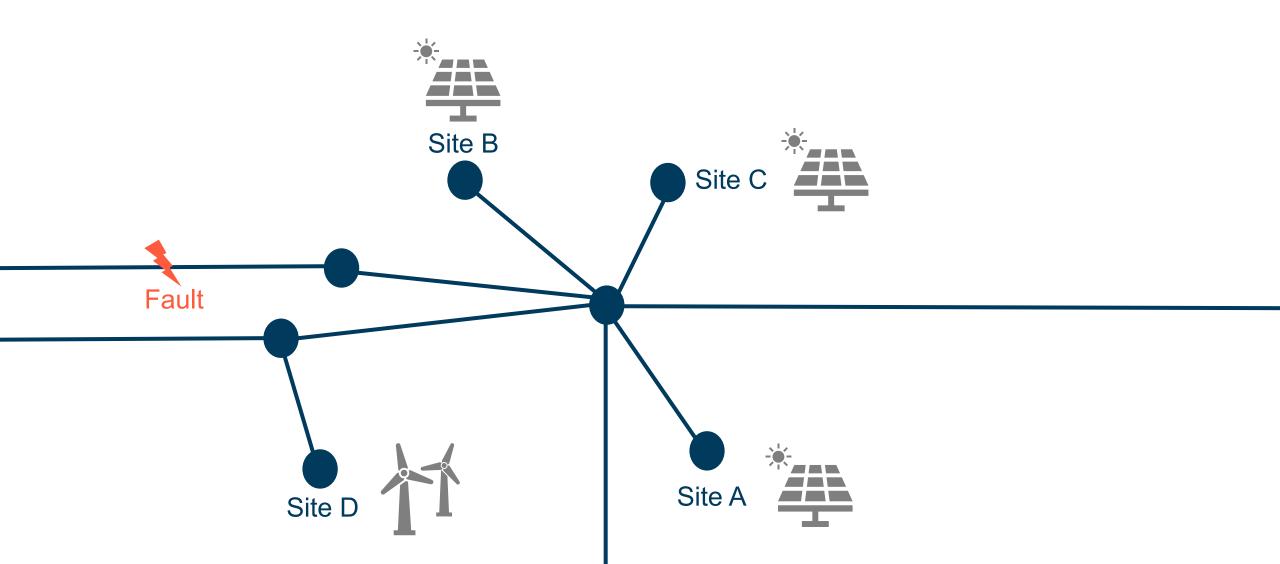


Figure 1: Illustration of Momentary Cessation

IBR Performance During External Fault



Recent Events with Momentary Cessation

Date	Location	Pre-Event MW	During Event MW	Post-Event MW
May 28 th , 2022	Site A Site B	720 143	458 85	559 143
August 29 th , 2022	Site A	896	692	763
August 31st, 2022	Site A Site B	745 108	578 9	667 106
October 29 th , 2022	Site A	874	698	777
November 5 th , 2022	Site D	212	99	192
November 24 th , 2022	Site B	96	1	95

Recent Events with Momentary Cessation

Date	Location	Pre-Event MW	During Event MW	Post-Event MW
January 1 st , 2023	Site D	222	127	223
January 3 rd , 2023	Site C	76	-20	28
January 16 th , 2023	Site D	222	1	204
February 7 th , 2023	Site A Site B Site C Site D	863 138 111 78	167 -11 -8 47	468 0 99 2





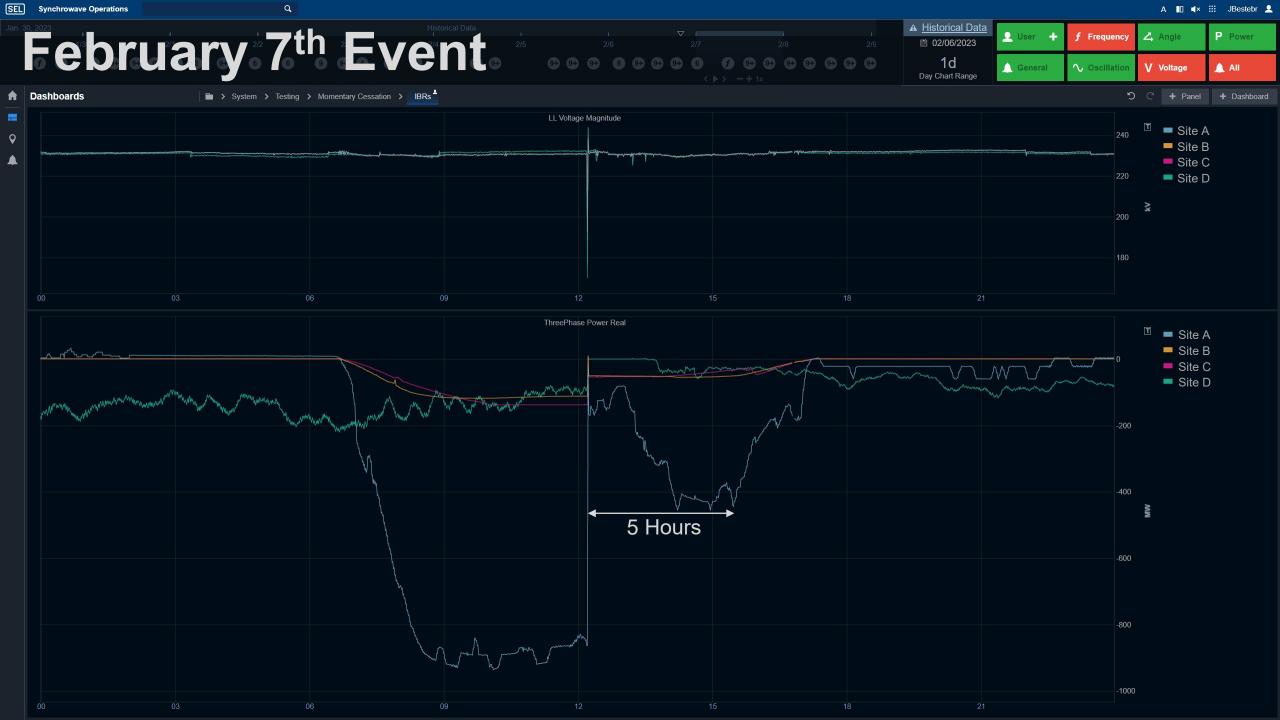












Use Cases for Synchrophasor Monitoring of IBR Momentary Cessation Events

- Detecting IBR momentary cessation events requiring further analysis
- Model validation and planning
- Training grid operators on IBRs
- System awareness



Questions?