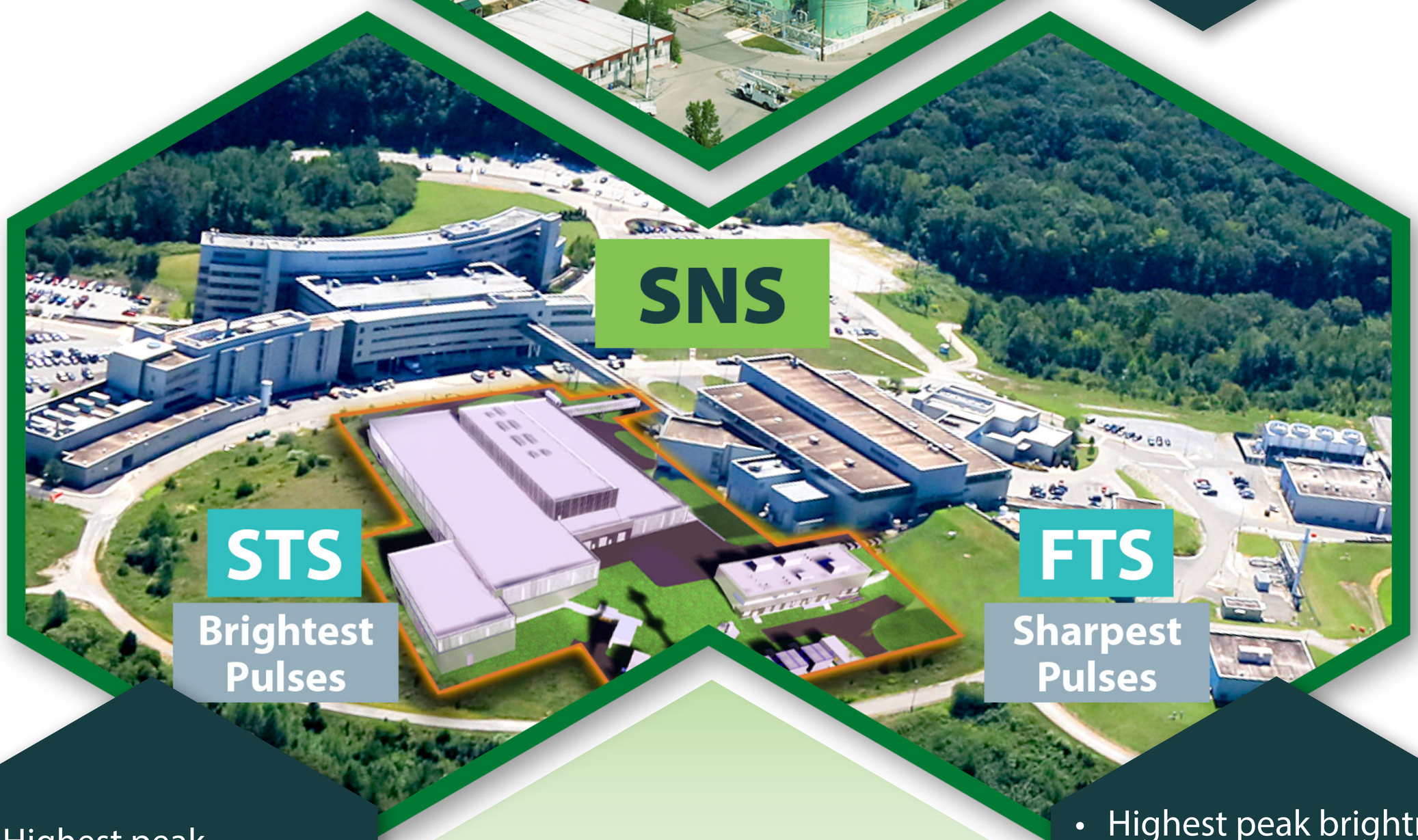
Neutrons for New Discoveries and Solutions

3-SOURCE STRATEGY

1 cutting-edge laboratory
2 world-class facilities
3 advanced neutron sources

High Flux Isotope Reactor

- Highest steady-state brightness of thermal and cold neutrons
- Parametric studies
- Kinetics



- Highest peak brightness of cold neutrons
- Broader perspective
- Materials in action

Second Target Station

Proton Power Upgrade (PPU):

- Doubles the power of the existing accelerator structure
- Provides new science capabilities for atomic resolution and fast dynamics
- Provides a platform for STS

- Highest peak brightness of thermal neutrons
- High-resolution crystallography
- Fast and high-energy dynamics

Spallation Neutron Source

OAK RIDGE National Laboratory
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