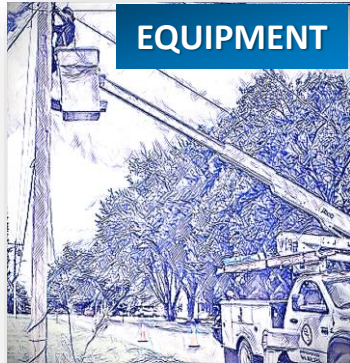


## Fiber Infrastructure Services

## SPLICING STATEMENT



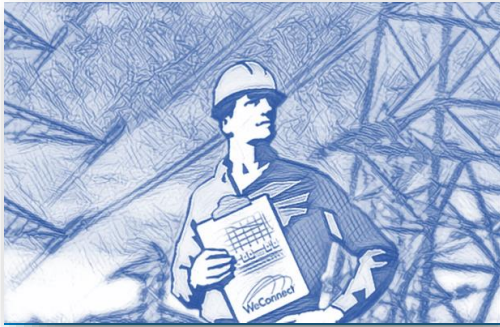
## SPLICING CAPABILITIES



- Purpose-built fleet of custom fiber splicing vehicles to provide controlled environments for splicing operations.
- Bucket trucks equipped with spacious splicing labs to access transmission ROWs and remote splice locations.
- Mobile power generators to provide a reliable source of electricity for splicing trucks and other equipment.
- Cable trailers to transport and deploy fiber optic cable in a safe and efficient manner.
- Pelsue tents to create temporary work areas that protect splicing teams from inclement weather and other outdoor hazards.



- State-of-the-Art Fusion splicers that allow for accurate core alignment and acceptable splice loss thresholds.
- Cleavers to prepare the fiber ends for splicing by ensuring that they are flat and perpendicular to the fiber axis.
- OTDRs (optical time-domain reflectometers) to measure the quality of the spliced fibers and detect any faults or damage.
- Fiber strippers to remove the protective coating from the fiber before splicing.
- Power meters to measure the amount of light transmitted through the fiber and ensure that it meets industry standards.



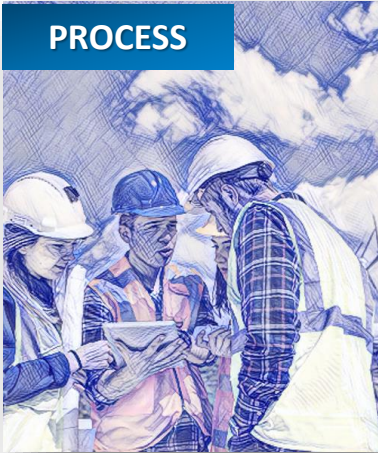
## Fiber Infrastructure Services

## SPLICING STATEMENT



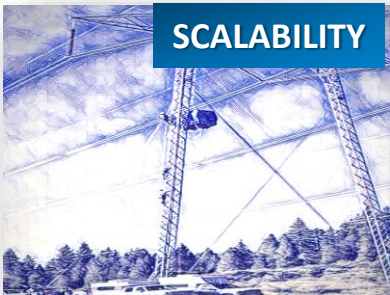
## SPLICING CAPABILITIES

### PROCESS



- Prepare fiber ends by stripping and cleaving the fiber to ensure a clean, flat end for splicing.
- State of the art fusion splicers with automatic core alignment.
- OTDRs and power meters are used to test the quality of the spliced fibers
- Splicing techs receive technical training on fiber optic principles, splicing techniques, and safety procedures.
- Techs must undergo safety training to learn how to identify and avoid hazards, and use safety equipment,
- Splicing techs typically receive on-the-job training from experienced splicers

### SCALABILITY



- Splicing companies must be able to scale their services to accommodate large count long haul backbone fiber networks..
- As fiber networks become more complex, splicing companies must be able to splice together multiple points within the network.
- As more households are connected to fiber networks, large FTTH projects require last mile splicing.