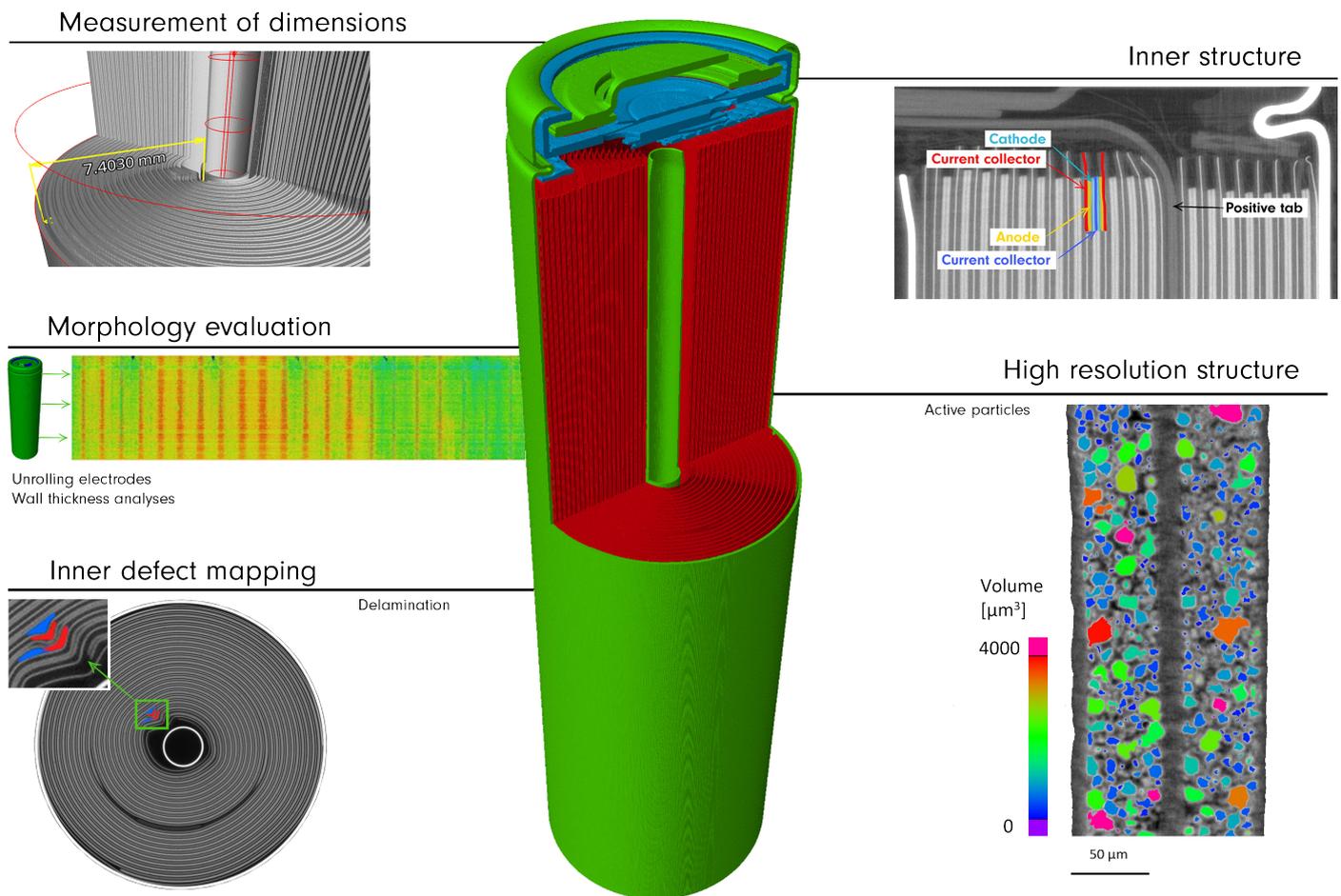


LABORATORY OF X-RAY MICRO AND NANO COMPUTED TOMOGRAPHY

CTLAB belongs to the Research Center of the Brno University of Technology. The CT laboratory is engaged in research and development of tomographic methods and their applications in various scientific and engineering fields. The laboratory is accredited according to ISO 17025 and conducts contractual and grant-oriented research with the industrial sector. The portfolio of modern CT systems enables the analysis of a wide range of parts and assemblies for many applications. With the gained knowledge from the development of the newest technologies, the CTLAB provides several exclusive investigations on batteries. CT technology enables the non-destructive measurement of entire batteries in tens of micrometers up to electrodes in hundreds of nanometers, thus enabling complete workflows to track the important parts from the whole battery to electrode particles to electron microscopy.



BATTERY INSPECTION

- Non-destructive 3D inspection.
- Defect identification.
- Electrode investigation.
- Multiscale imaging.
- Tracking electrode degradation.
- Complementary studies.

OUTPUTS

- Cross-sections with data viewer.
- Pictures and videos.
- STL and STP model.
- Expert report.