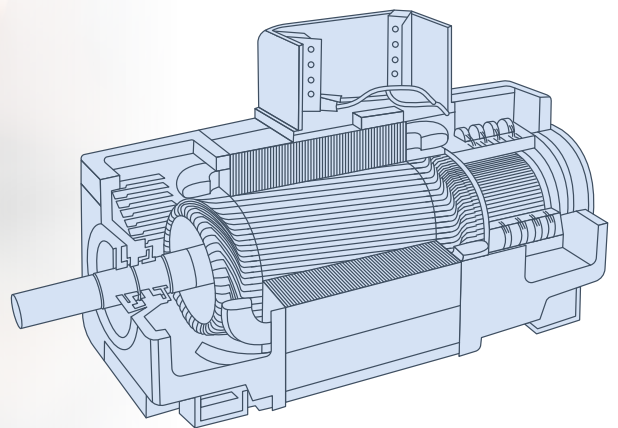


## Motor Surveys

- This is a paid service that we provide to our customers.
- Morgan Advanced Materials will attend an outage and survey all DC motors during that survey. During this service photos and the condition of the motor, commutator, carbon brushes and holders/springs are collected.
- With the information collected Morgan Advanced Materials will make recommendations if they are needed based on findings during the inspections. Typically, one motor will have a minimum of a two-page report, and this will be submitted to the customers, and we will discuss these findings in person or via Team's call.





# Carbon Brush/Motor Theory Classes

- Education classes that can be tailored to fit any audience. We can offer classes that only discuss carbon brushes. Within this subject alone, topics such as best practices for brush maintenance, brush construction (accessories and different grades), different wear indicators and the severity that could have led to these conditions, plus much more.
- Audiences that would prefer the class to include both topics such as carbon brushes and DC motor theory, would include the above plus the interictal workings of DC motor components. DC motor theory goes further into other DC motor components and the effects they can have on other motor components specifically, carbon brushes.
- The time frame of the classes varies depending on class size and classroom interaction but most of the time are completed in one day.
- The cost is free to customers, and we typically do this as a lunch and learn provided by Morgan Advanced Materials.

