

## Case Note

# Compact ACS880 Drive/Cabinet Excels in High-power Density Centrifuge Applications

An ABB distributor in Indiana is the first to utilize the ACS880 cabinet drive in a recent project. The ACS880 cabinet drive is one of the first drives to be manufactured in the newly re-purposed Drive's Center in Fort Smith, AR.

Specialty Controls, Inc. (Hammond, IN) has been using ABB ACS600 and ACS800 drives for years. The drives are used in Centrifuge applications and are connected together in a common DC bus configuration. One of the drives is a 361A, ACS880-07 cabinet drive, and the other is a 96A, ACS880-07 cabinet drive. Specialty Controls now install these drives and include the necessary components to create the common DC bus connections, following ABB specifications.

### More power in less space

This Specialty Controls project is the first to utilize the ACS880 cabinet drives. Deciding factors included the new, more compact size, STO and the ability to provide the same equipment years from now. Specialty Controls is excited about the ACS880 for several reasons – the most critical being the higher power densities now available in the ACS880 cabinet and wall mount drives.



### Freeing up real estate in the electrical room

Specialty Controls has several customers wanting to increase the power output of their motor and drive systems. The ACS880-01 wall-mount drives will allow the retrofit of some older ACS800-U1 drives to higher power levels than could be achieved with the ACS800-U1 (higher than 200 HP). The ACS880-07 cabinet drive provides a compact package utilizing the ACS880-01 frames. This eliminates the need for additional enclosures, or a single larger enclosure to accommodate the increased power output. Space in the electrical room is at a premium and the solution provided is of a great benefit to the customer.

The ACS880-07 cabinet drive is one of the first to roll out of the newly re-purposed Drive's Center in Fort Smith, AR. ABB is excited about the increased business potential that the ACS880 brings to Specialty Controls.

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