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eCycle announces (IEDM) integrated drivetrain module

(Temple, PA – October 1, 2004) –eCycle is pleased to announce its all new **IEDM**.

The **IEDM** Integrated Electric Drive Module, as its name implies, is a complete, compact electric drive consisting of eCycle's innovative CMG "*Silicon Series*" brushless motor incorporated in a single sided aluminum swing arm, with a belt reduction drive featuring a Gates Polychain manufactured by the Gates Corporation. A choice of DC controllers is available, depending on the application and platform.

Initial dynamometer testing on a scooter chassis outfitted with the **IEDM**, and a DC controller, revealed a top speed of 80kph at 24VDC and a peak rear wheel torque of 80Nm at 400A. Power levels up to 35kW are available with higher voltage.

eCycle believes the **IEDM** concept can be applied to all electric or hybrid vehicles, including NEV and personal mobility aides that have not been technically or commercially feasible until now. The utilization of high current and low voltage represents the perfect combination for consumer platforms, especially when considering the historical factors, in addition to safety, complexity and cost associated with high voltage battery operated systems.

For more information visit eCycle, Incorporated www.ecycle.com

About eCycle (www.ecycle.com)

Established in 1996 and located in Temple, PA, eCycle produces a line of unique brushless motors and generators, which have a wide range of applications in commercial, industrial, and consumer markets worldwide, particularly for mobile applications.
