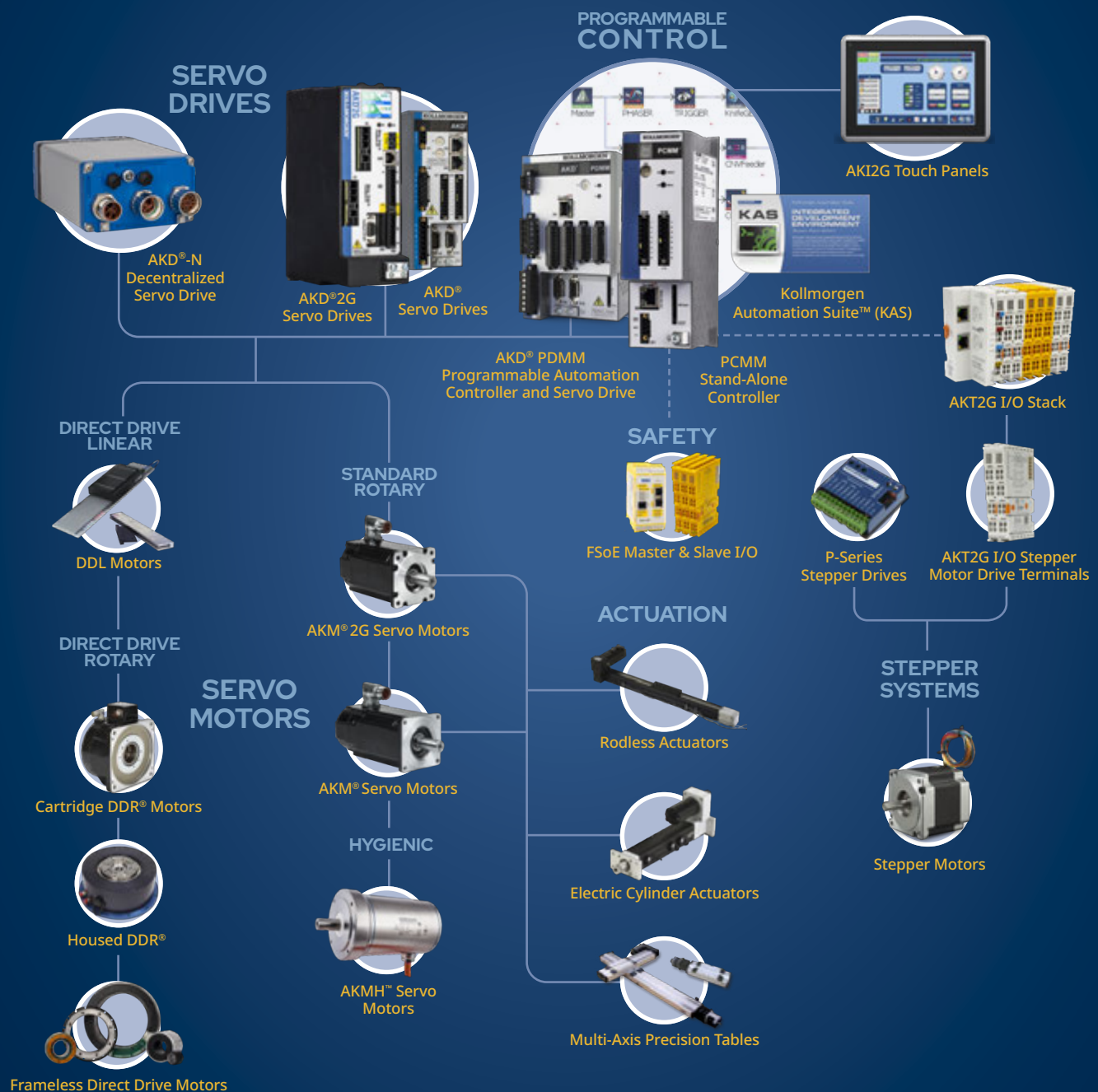






Automation and Motion Control

Programmable Automation Solutions



KOLLMORGEN


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Automation and Motion Control

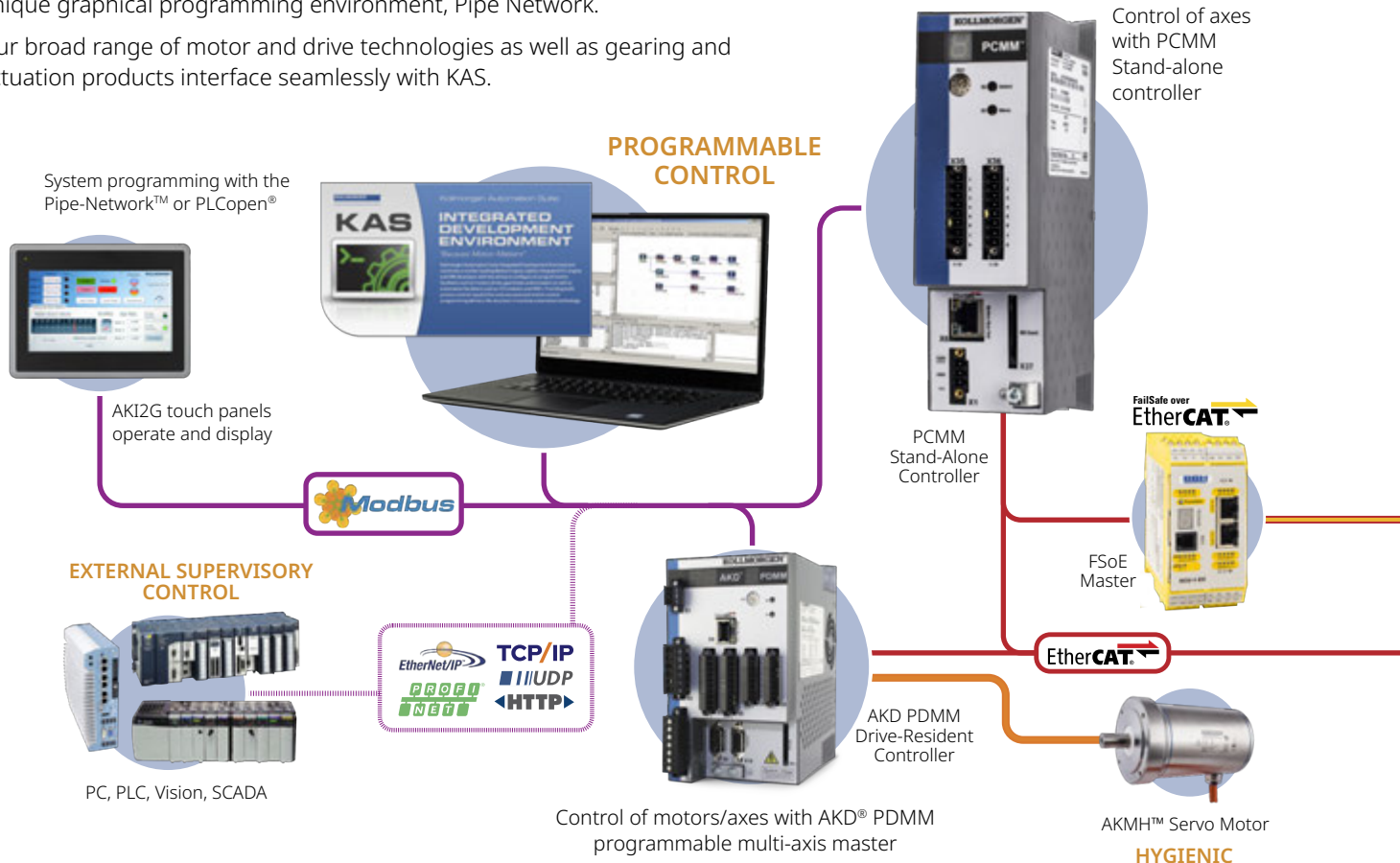
Comprehensive Line of Products Offering Complete System Solutions

Kollmorgen's comprehensive line of control software and hardware, drives and motors enables you to complete your solutions with one supplier:

Whether you want a stand-alone controller or drive-resident, Kollmorgen's Automation Suite can coordinate up to 64 or more axes, and synchronize the path of up to 32 or more axes per control engine. We offer the industry standard IEC61131-3 programming language, as well as our unique graphical programming environment, Pipe Network.

Our broad range of motor and drive technologies as well as gearing and actuation products interface seamlessly with KAS.

Flexible single or multi-axis drive solutions in decentralized and central architectures with PCMM, AKD-PDMM and the Kollmorgen Automation Suite™



The PCMM multi-axis controller can coordinate up to 64 or more axes, and synchronize the path of 32 or more axes per control engine on AKD family drives via the EtherCAT protocol*, with extremely precise cycle times of 250 μ s. Optionally, an AKI2G control panel using standard Modbus communication protocol can be connected for operating the machine. The PCMM works with leading bus systems, opening up a wide array of control system options. The PDMM motion controller is equipped with an AKD servo drive for direct connection to a motor. The PDMM is ideal for machine builders who prefer an simplified, integrated solution.

* Maximum axis count depends on motion/automation complexity and performance (20 or more axis possible for low complexity machine at 1 kHz network update rate, 8 axes based on medium complexity machine at 4 kHz network update rate.)

Diverse and Scalable Drive Solutions

Need more axes? Different motor types? Linear direct drives here, direct drives with no housing there? No problem! With the EtherCAT® system bus you can connect more AKD family servo drives and add motors of all performance classes from the Kollmorgen product range.

Interfaces are frequently the bottleneck in system design, but not so with Kollmorgen Automation Suite (KAS). With Advanced Kollmorgen Terminals (AKT2G) I/O and the EtherCAT® bus coupler, you can build a flexible interface system which meets all of your requirements.

Control and monitor the processes on the machine with the AKI2G series touch panels. With the Kollmorgen Visualization Builder (KVB), you can program ergonomic user interfaces and display machine data clearly.

