Arduino unveils Edge Control board for smart agriculture - CNX Software

Arduino hardware and software have been used for smart agriculture applications for years, but Arduino has now launched a board part of its Arduino Pro program specifically designed for smart farming. Meet Arduino Edge Control.

Powered by a Nordic Semi nRF52840 Bluetooth microcontroller, the board offers the usual digital & analog I/Os, plus four 60/V2.5A solid-state relays, hydrostatic watermark sensor inputs, support for DC or solar power input, and can be augmented with one or two Arduino MKR boards for WiFi, 3G NB-IoT, or LoRaWAN connectivity.

This DIY Bluetooth speaker's magical ferrofluid display reacts to the music | Arduino Blog

Ferrofluid is a special kind of liquid full of ferromagnetic particles, so it reacts to magnetic fields. Dakd Jung built a beautiful Bluetooth speaker that features a ferrofluid display driven by an Arduino.

This Bluetooth speaker has a gorgeous minimalistic 3D-printed enclosure that would look great on any bookshelf. But it is the ferrofluid display that makes the speaker special. A glob of ferrofluid floats inside of a glass reservoir mounted front-and-center on the speaker. That ferrofluid moves to the music playing through the speaker, providing a mesmerizing visualization. There is even a dial that lets the user adjust which part of the sound frequency that the ferrofluid responds to.