

Armor-Energized Magnetic Shield (AEMS)

The Armor-Energized Magnetic Shield (AEMS), is byproduct of the energizing of the [HECAC](#) armor, and is used on [Occhestan](#) military craft, the HECAC armor can produce a very strong, localized magnetic field around itself. When charging the armor for this purpose, it usually is down in the subdermal layers so it does not discharge into the surrounding environment. It provides good protection against charged-particle weapon (most particle beams, positron beams, plasma weapons, etc.), some protection against MAP (magnetically accelerated projectile; railguns and such) weapons that do not discard the conductive portions, and effectively no protection against purely photonic weapons (lasers). While the weapon can deflect the charged beam of incoming particle weapons some weapons, such as positron weaponry, can still cause damage through secondary radiation and blast from interacting with the surrounding environment (air, bulkheads, etc) though this damage will be less than a direct hit. The shifting magnetic field also generates a strong electromagnetic field around the ship that can severely disrupt and damage electronics like a electromagnetic pulse (which it essentially is, albeit occurring continuously) within several hundred meters.

Electroshock Armor

Most HECAC based armor is able to conduct a charge in its upper layers for use in close combat. This charge can range from a middle non-lethal jolt up to a high energy, extremely lethal blast. At higher energy levels the voltage is sufficient to ionize any surrounding atmosphere resulting in arcing and an 'aurora' effect around the craft. This high energy charge is extremely destructive to nanomachines around it and can destroy nearby electrical systems. Lower charge levels will destroy them on contact as opposed to at range.

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