Economics

Orbital Industrial Complex

Overview

Preamble

The Federal Kingdom of Ardenia is a highly-developed, service-based constitutional monarchy built on a extensive Orbital and Third Sector industries. A majority of the Ardenian GDP hails from service-based sales including but not limited to software, consulting services and general computing, with high-tech manufacturing and defense holding second and third place respectively.

As the FKAR and the Central Monetary Board is the issuer of the main world reserve currency, that being the *Federally Guaranteed Backed Note* **(FGBN), the Federal Kingdom of Ardenia stands in an almost unassailable position among World Economies. Due to its status as the World Reserve Currency, the Federal Kingdom of Ardenia is able to utilize extensive leverage with little to no long-term consequence. This, combined with the sheer geopolitical influence that being the World's largest economy has bestowed on the Federal Kingdom, has turned the FKAR into a economic juggernaut - one where even it's Weltkrian Adversaries must understand the sheer power of the Federal Kingdom's Economy.**

Major Industries

The Ardenian Economy is *dominated* **by the Orbital Industry and the Orbital Services Industry. The Orbital Services Industry, usually dominated by the so-called CeTL group - Ceridyne, Takana and Largette - provides over** *20%* **of the Ardenian Economy. The Orbital Services Industry refers to services launched in support of the Orbital Industry, ranging from schedulers to datalinks and other software suites.**

The Orbital Industry, formally referred to as the Orbital Industrial Complex, refers to the orbital offshoring - oftentimes shortened to orbitalshoring - of traditional primary sector and secondary sector services such as mining and semiconductor fabrication. Orbitalshorers can often access far more resources than their terrestrial based counterparts, however, the initial capital operating cost is far in excess of a Galen-Based company.

Orbit is dominated by a tripoly of Consolidated Technology Corporation, Ceridyne Industries (both a mining and a services company) and Karman Line Corporation. CTC is the *only* **vertically-integrated Orbital company, with CTC holding both primary-sector mining ships and assets along with orbital autofabricators allowing**

for mass semiconductor production and material refinement. CTC alone makes up a total of 10% of the Ardenian GDP. CTC is a semi-nationalized company with over 30% of Class B voting shares held by the Ardenian Sovereign Wealth Fund, with a Deputy Secretary (often the DSec of Orbital Affairs) traditionally holding the ASWFs board position.

Terrestrial (Terrie) industry is dominated by traditional third-sector industries such as service industries and software. Over 15% of the Terrie-based Ardenian Economy consists of AI SaaS services, 25% being Insurance, Real Estate and finance and 18% high-tech manufacturing. A supermajority of the Terrie-based Ardenian Economy is service based.

Companies

Companies

Ceridyne Industries

Companies

Narasaka

Companies

Arclight

Companies

Consolidated Technologies Corporation (CTC)

Companies

Specialized Industries

Specialized Electronics Incorporated (ANSE:$SEI) is a multinational conglomerate of defense, semiconductor and technology companies created by a merger between Technikkles Kraftwerk and Specialized Industries , with a total valuation of over 1 trillion dollars. Specialized Electronics Incorporated specializes in the production of telecommunications equipment, aerospace engineering, defense, mobile phones, cameras, 3D Printers, aircraft, spaceships, megastructures, and a bevy of other projects and subdivisions, giving SEI a unparalleled market share within Ardenia and the Northern Lights Treaty Alliance.

Technikkles Kraftwerk possessed over 45 industrial fabrication plants capable of producing high-grade alloys such as titanium and boron, along with more delicate parts such as camera lenses and imaging sensors. Kraftwerk possessed a pair of plants able to produce the highly coveted glass elements required to produce semiconductors, and was able to produce the special fabricators to produce the conductors themselves - making them the premier supplier for Specialized Electronics. The consolidated consortium has over 450 production facilities scattered around Ardenia and other Northern Lights countries, ranging from production plants to humongous aircraft production plants and other such holdings. Central to the company is the only privately owned spacecraft launchpad and space elevator, built with large amounts of loans to initiate asteroid mining operations - as of FY2057, the return on investment has already exceeded billions of dollars. FY2057 earning report notes that the asteroid mining industry dwarfs all other sectors of Specialized Industries, earning a gross total of over 1.2 trillion Ardenian Dollars, forcing the Ardenian Central Bank to step in and artificially limit the amount of released goods.