

**Naval Contract Code:** NCC-4820 Series-A Refit

**Naval Class:** Excelsior 2000Ai4

**Contract Locale:** El'Ahrairah Shipyards



## UPGRADE BRIEF

Vessel returned to shipyards in battle-damaged condition, under emergency power. Contract includes structural regrowth and upgrade packages. Retrofit DM335 to bring vessel to ws-2 status for life-service extension. Utmost priority given to returning vessel to front-line service.

## SYSTEMS LISTING

### Hull and Structure

Major and Minor damage to hull and structure across the vessel surface; resultant from combat. Structure and hull regrowth protocols put in place where necessary; vessel returned to original hull specifications. SIF and IDF field generators made redundant where possible.

### Computer Core/Sensors/Communications

Aging computer core upgraded with new FTL-2 Core; capacity increased by 231%  
Databanks upgraded with latest (436753) Starfleet information package.  
Communications, Sensors, Transporters, and Control systems upgraded as possible to match current Starfleet-class specifications.

### M/A Propulsion System(s)

Current core removed and replaced with upgraded type-2 core, delivering 22.43% more output while increasing safety code to level AA-B. Existing EPS Taps Upgraded; Extra taps installed at the 0.4 level, existing distribution network strengthened and upgraded. Port warp nacelle heavily damaged; coils removed from both nacelles. 22x2 Verterium Cortenide replacements installed. Nacelles remodelling for new coils not required. New warp field geometry possible, with tuning allowing increase in maximum warp. Navigational Deflector strengthened as necessary to account for higher warp.

### Impulse Propulsion System(s)

Impulse engines scored due to overcharge. Modular refit of new IFR units in place; resultant acceleration of 12 km/s<sup>2</sup>. RCS packages refitted with new RCS modules.

### Tactical Systems

Deflector Shield subsystems heavily damaged from overload and repeated weapon attacks. Graviton Polarity Source Generators all replaced. Emitter grids re-woven into hull during regrowth. Frequency cyclation-module upgraded. Nominal grid output: 1000 MW graviton load. Type-X PHASER strips installed: Dorsal Saucer Array, Lateral Bow Hull Array, Lateral Stern Hull Array, Dorsal Hull Array (P/S), Engine Pilot Array (P/S&B/S). Existing Saucer Dorsal Type-VII PHASERS replaced with Mark-X Pulse PHASERS, 10 total. Twin Photon Torpedo Launchers refitted with Q-Dual-Type launchers (Quantum and Photon). Aft Q-Dual-Type Launcher installed in 180-degree turret. Tractor Beam systems refitted to current Starfleet standards.

### Misc Systems

All other systems repaired, retrofitted or replaced as necessary, with intent to upgrade to current Starfleet levels whenever possible. Shuttlebay facilities retrofitted to handle latest classes of craft. Medical equipment brought into line with current available equipment.

