

ENRGYONE, Inc. INTELLECTUAL PROPERTY DUAL LICENSE EXPLANATION Dual-Licensing Model for the Core Technology (Star-Magic / UQFF repositories and related programs)

1. The Open-Source Side: AGPL-3.0

(GNU Affero General Public License v3.0)

This is a strong copyleft license published by the Free Software Foundation. It is based on GPL-3.0 but includes an important additional rule for network use.

Key permissions under AGPL-3.0:

- Use the software for any purpose (including commercial use).
- Study, modify, and redistribute it.
- Receive a patent grant from contributors.

Key conditions / obligations under AGPL-3.0:

- If you distribute the software (or a modified version), you must provide the complete corresponding source code under the same AGPL-3.0 license.
- **Affero network clause:** If you run a modified version on a server and users interact with it over a network (SaaS, web service, API, remote simulation tool, etc.), you must make the source code of that modified version available to those users.
- Copyright notices and license text must be preserved.
- Derivative works must also be licensed under AGPL-3.0 (or a compatible strong copyleft license).

Practical effect: Anyone may freely use, study, and build upon the Star-Magic / UQFF code for academic research, personal projects, or open-source work. However, a company that modifies the code and offers it as a closed-source hosted service, or embeds it in a proprietary distributed product, would be required to release its modifications under AGPL-3.0.

2. The Private Commercial License

(Controlled by the Technology Co-Owners)

Daniel Thomas Murphy and Jeanett Esmeralda Roldan Avila (the “Technology Co-Owners”) retain full copyright ownership of the Core Technology.

Alongside the AGPL-3.0, the Technology Co-Owners offer a separate private commercial license. This is a classic dual-licensing model.

According to the Articles of Incorporation of ENRGYONE, Inc. and supporting documents:

- The Technology Co-Owners retain all intellectual property rights in the Core Technology and original development.
 - ENRGYONE, Inc. has been granted a **lifetime, royalty-free, exclusive commercial license** to use, modify, and commercially exploit the Core Technology **solely within the Oil & Gas Market Sector**.
 - This exclusive commercial license allows ENRGYONE to develop, use, and sell closed-source commercial products and services in the Oil & Gas Market Sector without being subject to the source-disclosure obligations of the AGPL-3.0.
 - ENRGYONE may grant limited sublicenses within the Oil & Gas Market Sector (for example, the sublicense granted to ACHILLES, Inc.), provided such sublicenses remain within the scope of ENRGYONE's exclusive license.
 - The Technology Co-Owners retain all rights outside the Oil & Gas Market Sector, including scientific, academic, research, peer-review, and open-source rights.
 - Separate written agreements govern the exact commercial terms between the Technology Co-Owners, ENRGYONE, and any sublicensees.
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3. Why This Structure?

- **Protects ownership** — The Technology Co-Owners keep full copyright and control the commercial licensing path.
 - **Allows open collaboration** — Researchers, academics, and the community can use the code under AGPL-3.0.
 - **Enables commercial use by ENRGYONE** — ENRGYONE can build and sell proprietary applications, simulations, and client-facing tools in the Oil & Gas Market Sector without being forced to open-source those commercial versions.
 - **Supports controlled sublicensing** — ENRGYONE can grant limited sublicenses (such as to ACHILLES) while preserving its exclusive position in the Oil & Gas Market Sector.
 - **Gives commercial users comfort** — Companies that refuse strong copyleft licenses for production systems can operate under the commercial license path instead.
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4. Summary in Plain Terms

Use Case	Which License Applies?	Source Disclosure Required?
Academic / personal / pure open-source use	AGPL-3.0	Yes (if distributed or offered over a

Use Case	Which License Applies?	Source Disclosure Required?
		network)
ENRGYONE commercial products and services in the Oil & Gas Market Sector	Exclusive Commercial License granted to ENRGYONE	No (under the commercial license terms)
Limited commercial activity by a sublicensee (e.g., ACHILLES) in the Oil & Gas Market Sector	Sublicense from ENRGYONE under its exclusive license	No (under the sublicense terms)
Any party wanting to build a closed-source product or SaaS outside the Oil & Gas Market Sector, or beyond ENRGYONE's exclusive rights	Must negotiate a separate commercial license directly with the Technology Co-Owners	No (if a commercial license is obtained)

Note: This dual-license structure is clean and commonly used for research frameworks that later support commercial applications. The language in the Articles of Incorporation, Bylaws, Commercial License Confirmation Letter, and the ENRGYONE–ACHILLES Intellectual Property License and Sublicense Agreement correctly reflects this model: an **exclusive commercial license limited to the Oil & Gas Market Sector** granted to ENRGYONE, with the ability to issue limited sublicenses within that sector.