A quick introduction to the **Econo+** platform

Exploring how it works,
its potential use cases & the
science behind the platform

As part of
Innovilage | CoreEngine
Econo+™

The underlying premise of a civilized world is an interlinked resource network that powers it all.

We need to understand what powers it to gain deeper insight into:

- Protecting our planet

- Maintaining a sustainable economy

- Maintaining the resource balance

- Grow our businesses

- Ensuring personal prosperity

...but ultimately, achieve the synergistic **co-habitation** that we all **deserve**.

Let's see it in action.

0.9%	6.4%	47%
Aerospace	Finance	Jewellery

79
Au
Gold
196.967

Medical Implants	Electronics	Bullion
0.7%	8%	37%

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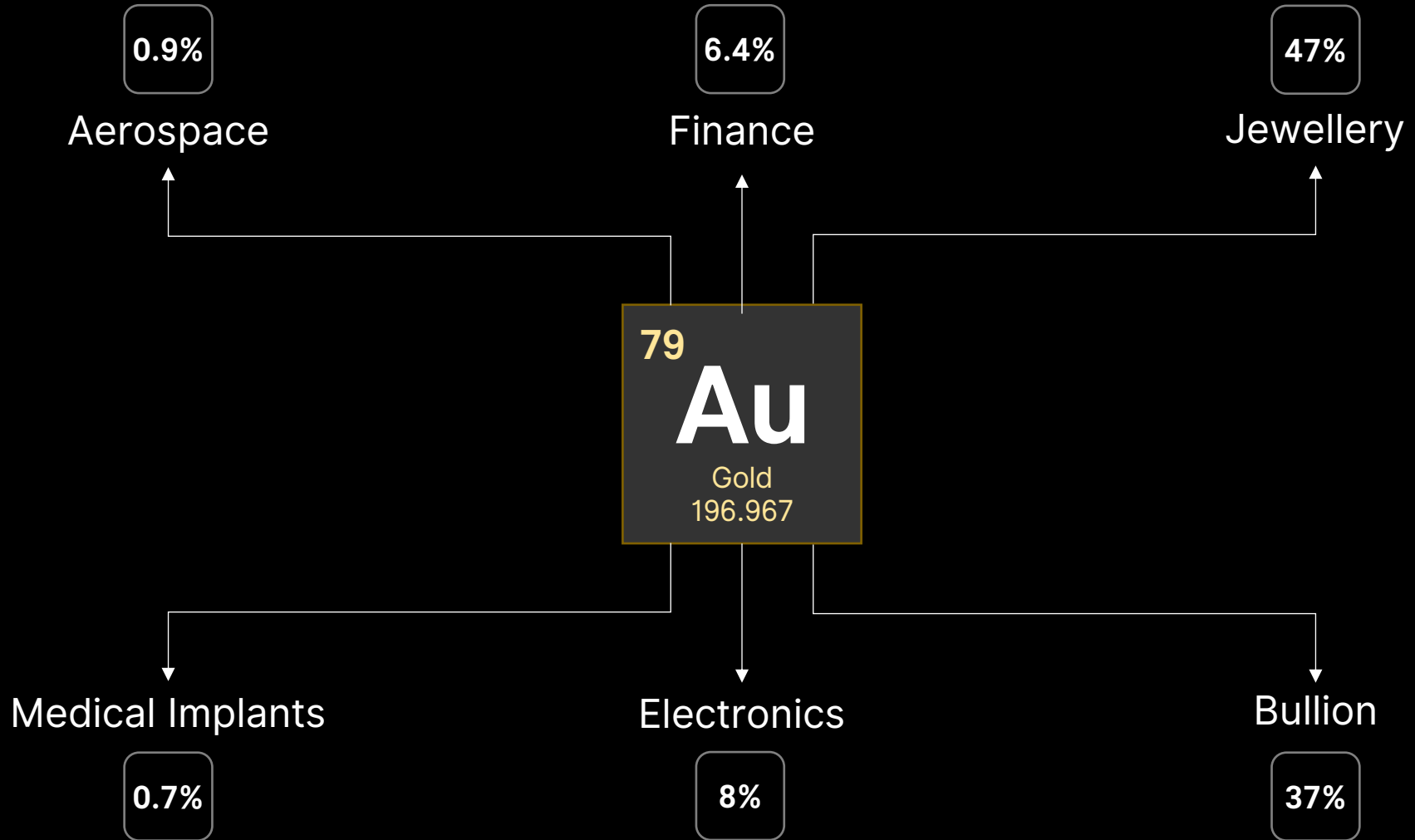
The interlinkage of resources between 2 industries

Medical Industry

Semiconductor Industry

Copper

Many over-the-counter (OTC) drugs contains copper contents. It is also very common in x-ray machines due to its short-wavelength producing properties.

Due to its highly conductive nature and lower electrical resistivity, copper has replaced aluminium as circuit interconnects used in many modern integrated circuits (IC).

Gold

Typically administered as "gold salts" due to its properties of immunosuppression for treatment of arthritis-related diseases, also used in implants.

Due to its excellent conductivity and non-corroding properties (electrical transparency), gold sees its uses as a "dopant" in IC manufacturing or as gold contacts.

Magnesium

Its uses ranges from electrolytic forms used in IV drips to OTC medicines such as aspirin or laxatives. It's non-toxic and is naturally biocompatible in nature.

Magnesium have very specific yet important uses in ICs, typically as an electrolytic semi-insulation element in fabrication and a future potential in optoelectronics.

Platinum

An important element in creating key components for medical devices such as pacemakers, implantable defibrillators, neuro-modulators as well as a variety of anti-cancer drugs like carboplatin.

It is a vital element in semiconductor photochemistry used in many III-V compound IC devices. Often as ohmic contacts, electrodes, and even electrical resistors.
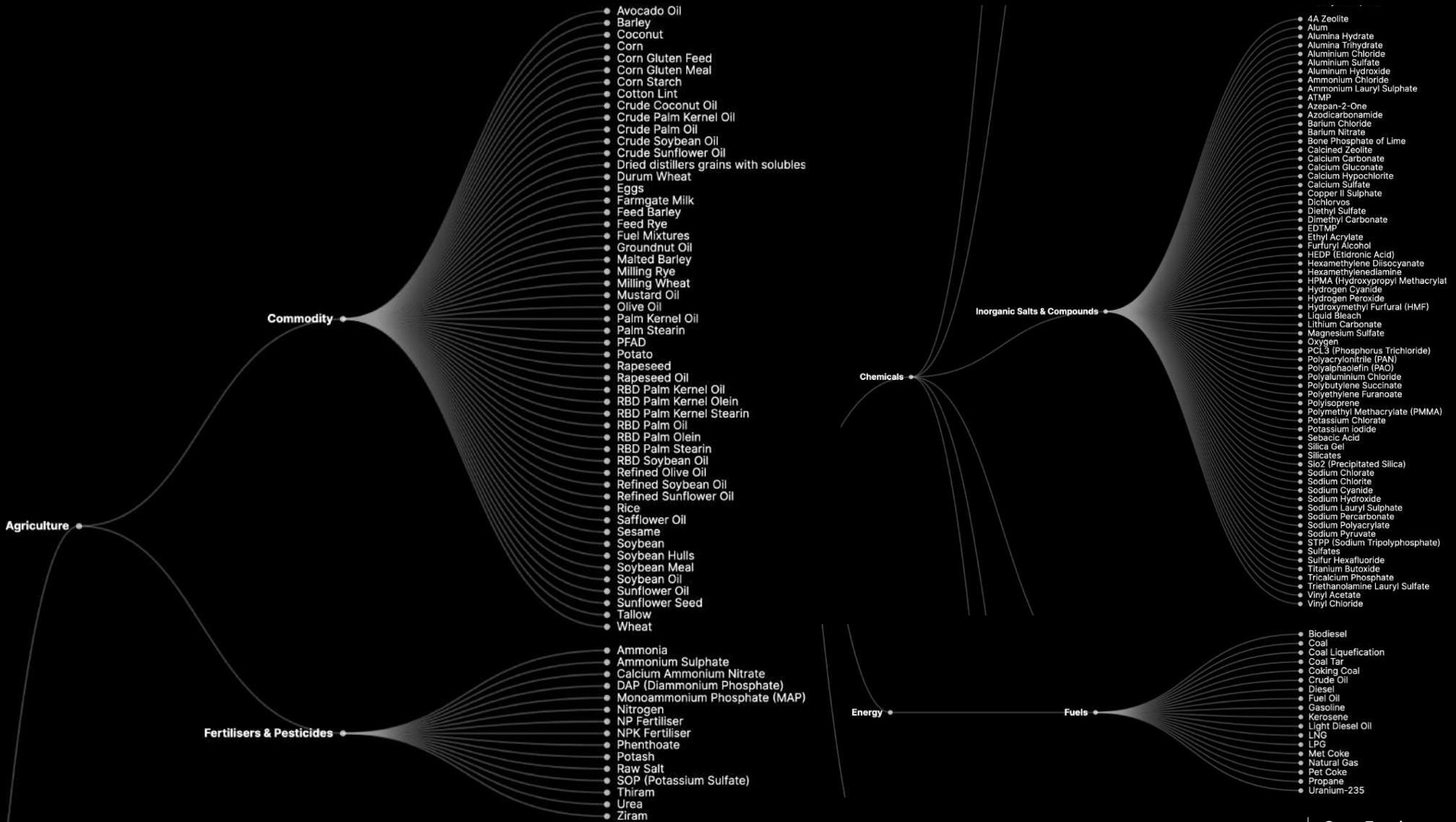
A novel way to visualise commodities

Table Key

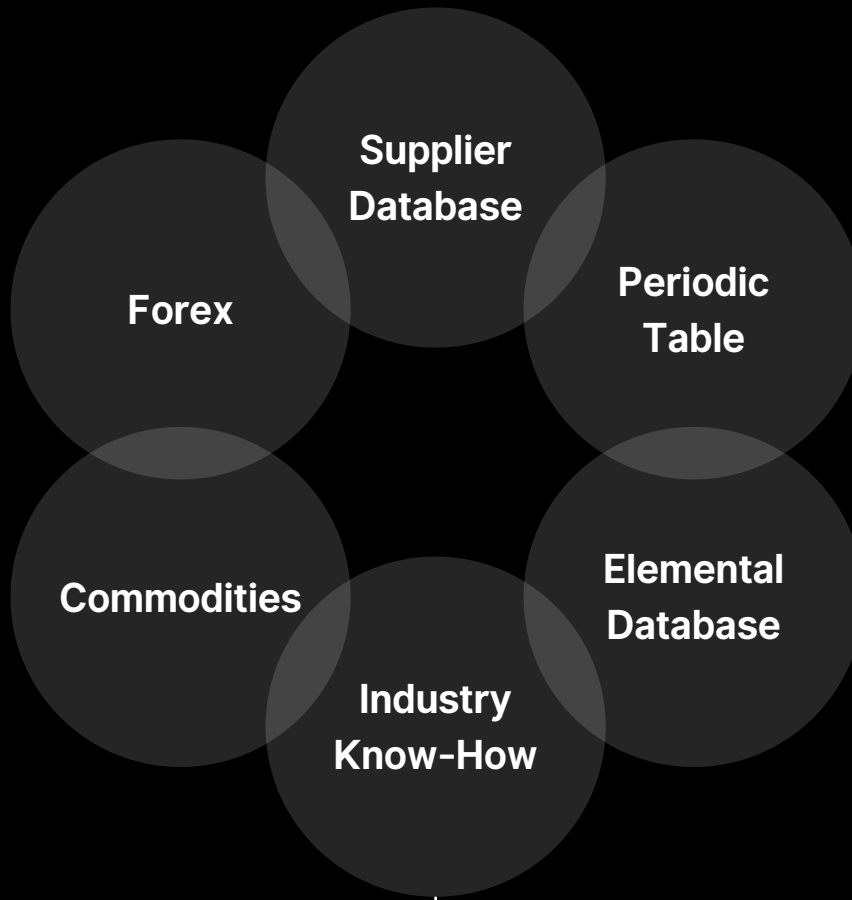- **Limited** — by availability; future risk to supply
- **Threatened** — decreased availability due to increased usage
- **Danger** — severe availability shortage in the next 100 years

1 H Hydrogen 1.00794																	2 He Helium 4.002602
3 Li Lithium 6.941	4 Be Beryllium 9.012182											5 B Boron 10.811	6 C Carbon 12.0107	7 N Nitrogen 14.0067	8 O Oxygen 15.9994	9 F Fluorine 18.9984032	10 Ne Neon 20.1797
11 Na Sodium 22.98976…	12 Mg Magnesium 24.305											13 Al Aluminium 26.9815386	14 Si Silicon 28.0855	15 P Phosphorus 30.973762	16 S Sulfur 32.065	17 Cl Chlorine 35.453	18 Ar Argon 39.948
19 K Potassium 39.948	20 Ca Calcium 40.078	21 Sc Scandium 44.955912	22 Ti Titanium 47.867	23 V Vanadium 50.9415	24 Cr Chromium 51.9961	25 Mn Manganese 54.938045	26 Fe Iron 55.845	27 Co Cobalt 58.933195	28 Ni Nickel 58.6934	29 Cu Copper 63.546	30 Zn Zinc 65.38	31 Ga Gallium 69.723	32 Ge Germanium 72.63	33 As Arsenic 74.9216	34 Se Selenium 78.96	35 Br Bromine 79.904	36 Kr Krypton 83.798
37 Rb Rubidium 85.4678	38 Sr Strontium 87.62	39 Y Yttrium 88.90585	40 Zr Zirconium 91.224	41 Nb Niobium 92.90628	42 Mo Molybdenum 95.96	43 Tc Technetium (98)	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.9055	46 Pd Palladium 106.42	47 Ag Silver 107.8682	48 Cd Cadmium 112.411	49 In Indium 114.818	50 Sn Tin 118.71	51 Sb Antimony 121.76	52 Te Tellurium 127.6	53 I Iodine 126.90447	54 Xe Xenon 131.293
55 Cs Caesium 132.9054	56 Ba Barium 132.9054		72 Hf Hafnium 178.49	73 Ta Tantalum 180.94788	74 W Tungsten 183.84	75 Re Rhenium 186.207	76 Os Osmium 190.23	77 Ir Iridium 192.217	78 Pt Platinum 195.084	79 Au Gold 196.966569	80 Hg Mercury 200.59	81 Tl Thallium 204.3833	82 Pb Lead 207.2	83 Bi Bismuth 208.9804	84 Po Polonium (209)	85 At Astatine (210)	86 Rn Radon (222)
87 Fr Francium (223)	88 Ra Radium (226)		104 Rf Rutherfordium (267)	105 Db Dubnium (268)	106 Sg Seaborgium (271)	107 Bh Bohrium (272)	108 Hs Hassium (270)	109 Mt Meitnerium (276)	110 Ds Darmstadtium (281)	111 Rg Roentgenium (280)	112 Cn Copernicium (285)	113 Nh Nihonium (284)	114 Fl Flerovium (289)	115 Mc Moscovium (288)	116 Lv Livermorium (293)	117 Ts Tennessine (294)	118 Og Oganesson (294)

57 La Lanthanum 138.90547	58 Ce Cerium 140.116	59 Pr Praseodymium 140.90765	60 Nd Neodymium 144.242	61 Pm Promethium (145)	62 Sm Samarium 150.36	63 Eu Europium 151.964	64 Gd Gadolinium 157.25	65 Tb Terbium 158.92535	66 Dy Dysprosium 162.5	67 Ho Holmium 164.93032	68 Er Erbium 167.259	69 Tm Thulium 168.93421	70 Yb Ytterbium 173.054	71 Lu Lutetium 174.9668
89 Ac Actinium (227)	90 Th Thorium 232.03806	91 Pa Protactinium 231.0588	92 U Uranium 238.02891	93 Np Neptunium (237)	94 Pu Plutonium (244)	95 Am Americium (243)	96 Cm Curium (247)	97 Bk Berkelium (247)	98 Cf Californium (251)	99 Es Einsteinium (252)	100 Fm Fermium (257)	101 Md Mendelevium (258)	102 No Nobelium (259)	103 Lr Lawrencium (262)

As part of Innovilage | CoreEngine Econo+™

How it works?

Supplier
Database

Forex

Periodic
Table

Commodities

Elemental
Database

Industry
Know-How

Highly **integrated** datasets from
trusted global NGOs & government
authorities with scientific data from
WolframAlpha®

CoreEngine
MegaData™

Trusted sources, correlated &
organised, as well as rigorous data
clean-up & sanitation to produce
clean and highest quality data

How it works?

CoreEngine
MegaData™

External A.I. input sources

i.e. OpenAI ChatGPT, Bing Web Search API

Hand-tuned integrated database by Innovilage data science experts and proprietary algorithms.

- Rigorous S.O.P. followed by our experts to fine-tune data.
- Additional fact-checking to ensure data integrity.
- Scientific feeding of industry know-how to add relevance.
- Simulated data interpretation in Microsoft® Excel®.

ᔕEcono+

The full Innovilage experience centered around simplicity, clarity, and usability.

Industry-tested UI/UX design to make the most out of the available data.

Purpose built for no-nonsense signalling & insight into potential market *inflation*, materials *availability* and *supplies* for procurement, as well as long-term *strategic* planning through relevant information extraction relating to key *resource suppliers*.

As part of Innovilage | CoreEngine **Econo+™**

We thank you for your time!

Now, discover how Econo+ can revolutionize the way your organization works by scheduling a demo with us today @ innovilage.com/econoplus

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