

The U.S. Navy's \$100 million checkbox

\$1.8 billion *John S McCain* destroyer was wrecked because of bad HCI design choices



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Exalt Interactive

Since 2015 – 28 people – 300+ projects

#PRODUCTS #SERVICES #UX #USABILITY
#CX #DESIGN #STRATEGY



EXALT INTERACTIVE
Managing Partner



MOHOLY-NAGY DESIGN UNIVERSITY
Head of Interaction Design MA



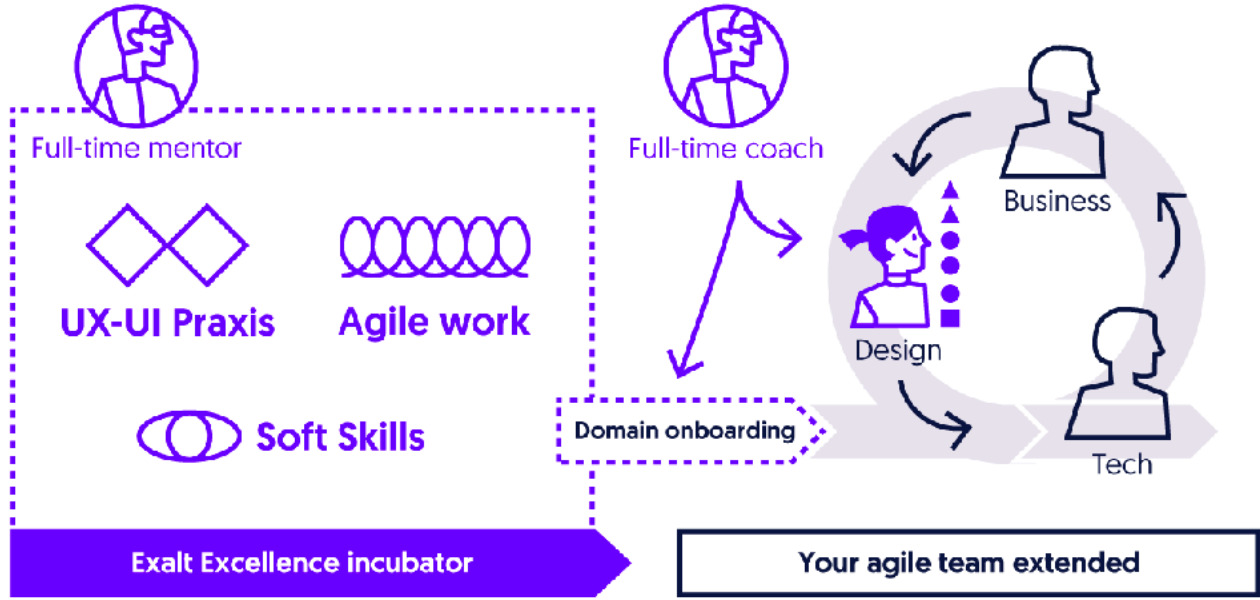
What we do in H.C.I.



**DESIGNING
SAFETY-CRITICAL
INTERFACES**



**UX / UI DESIGN
OF WHOLE
SERVICES**



**PROVIDE
EMBEDDED
EXPERTS**

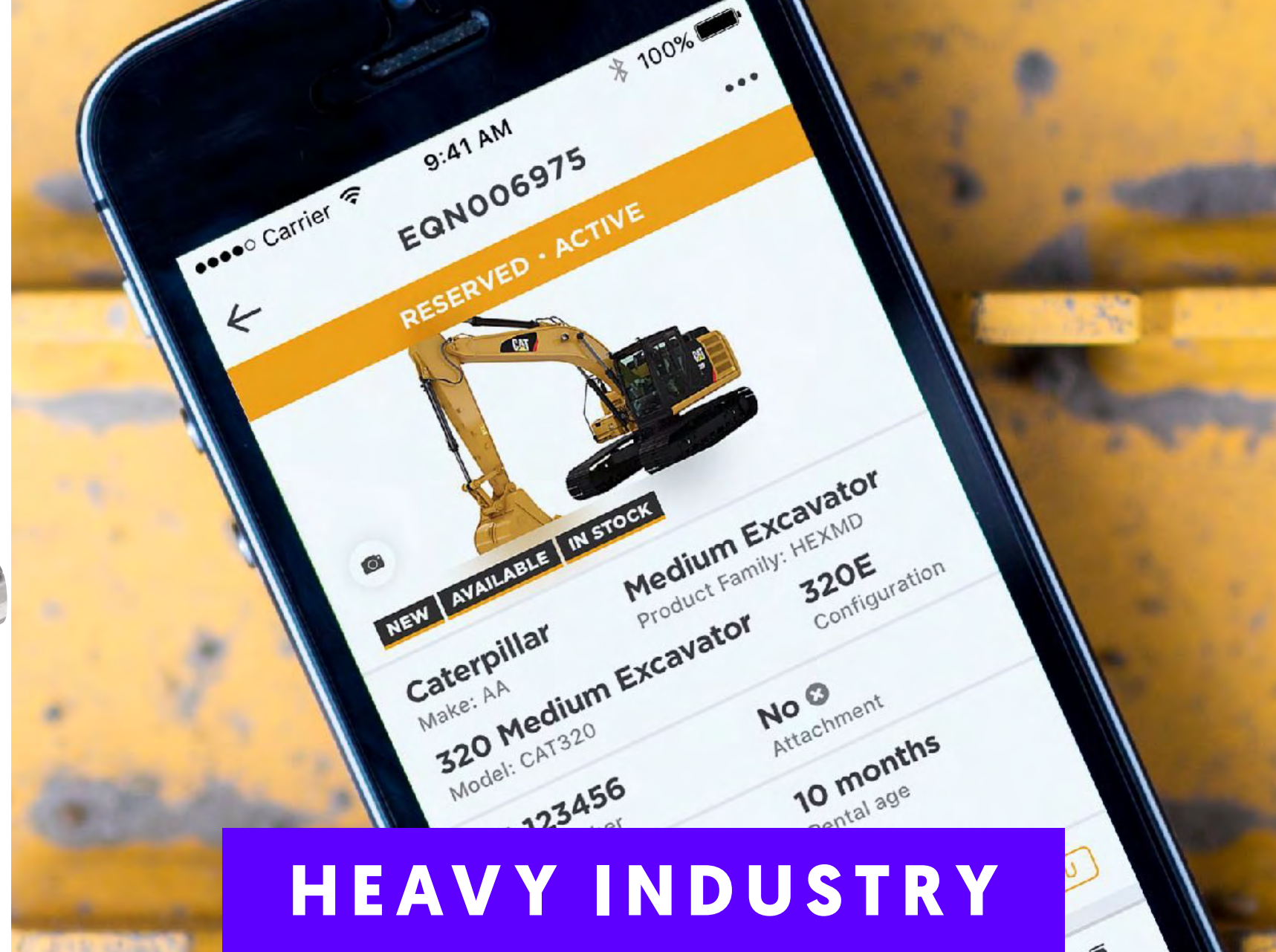




FINANCE



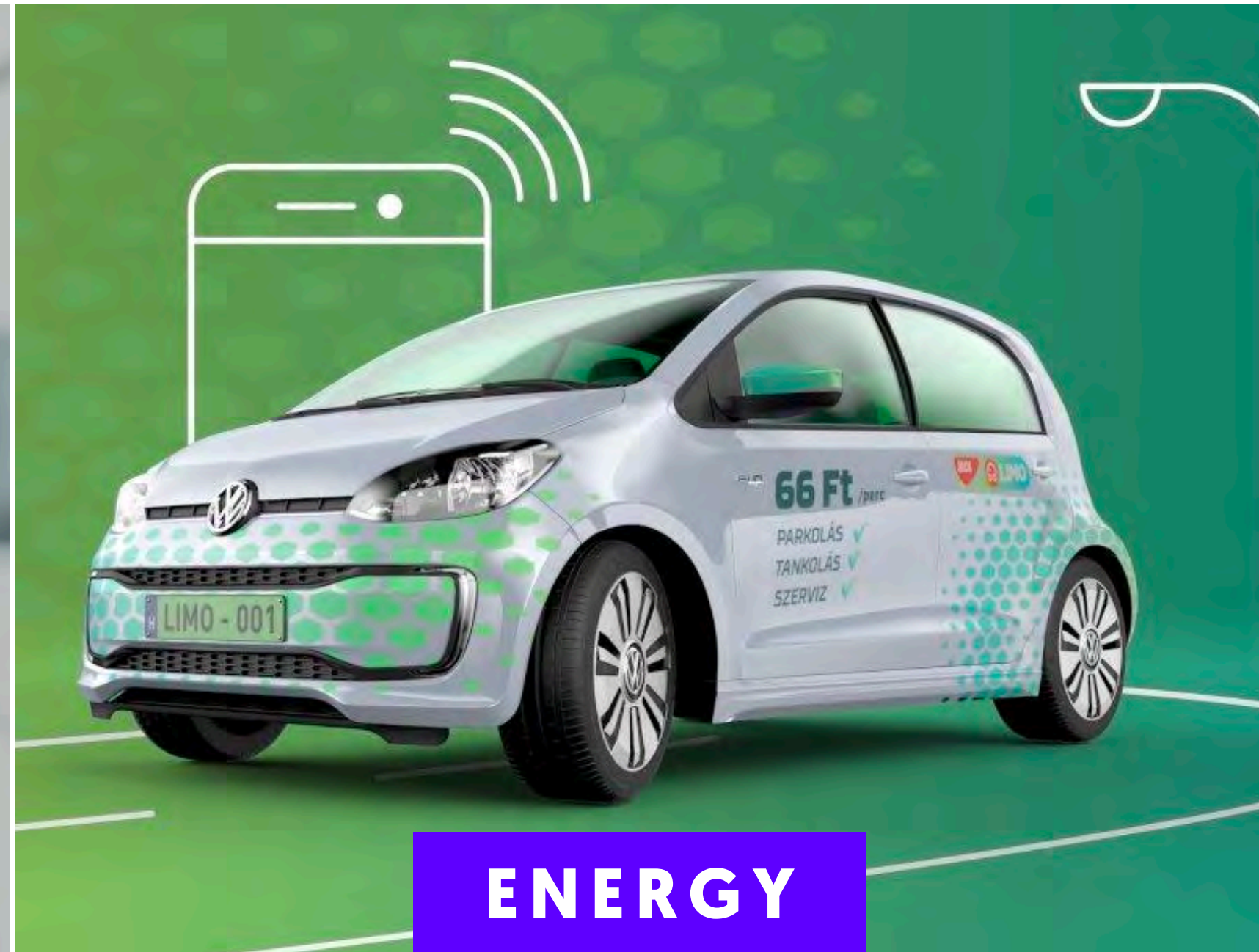
HEALTHCARE



HEAVY INDUSTRY



PUBLIC UTILITIES



ENERGY



DEFENCE

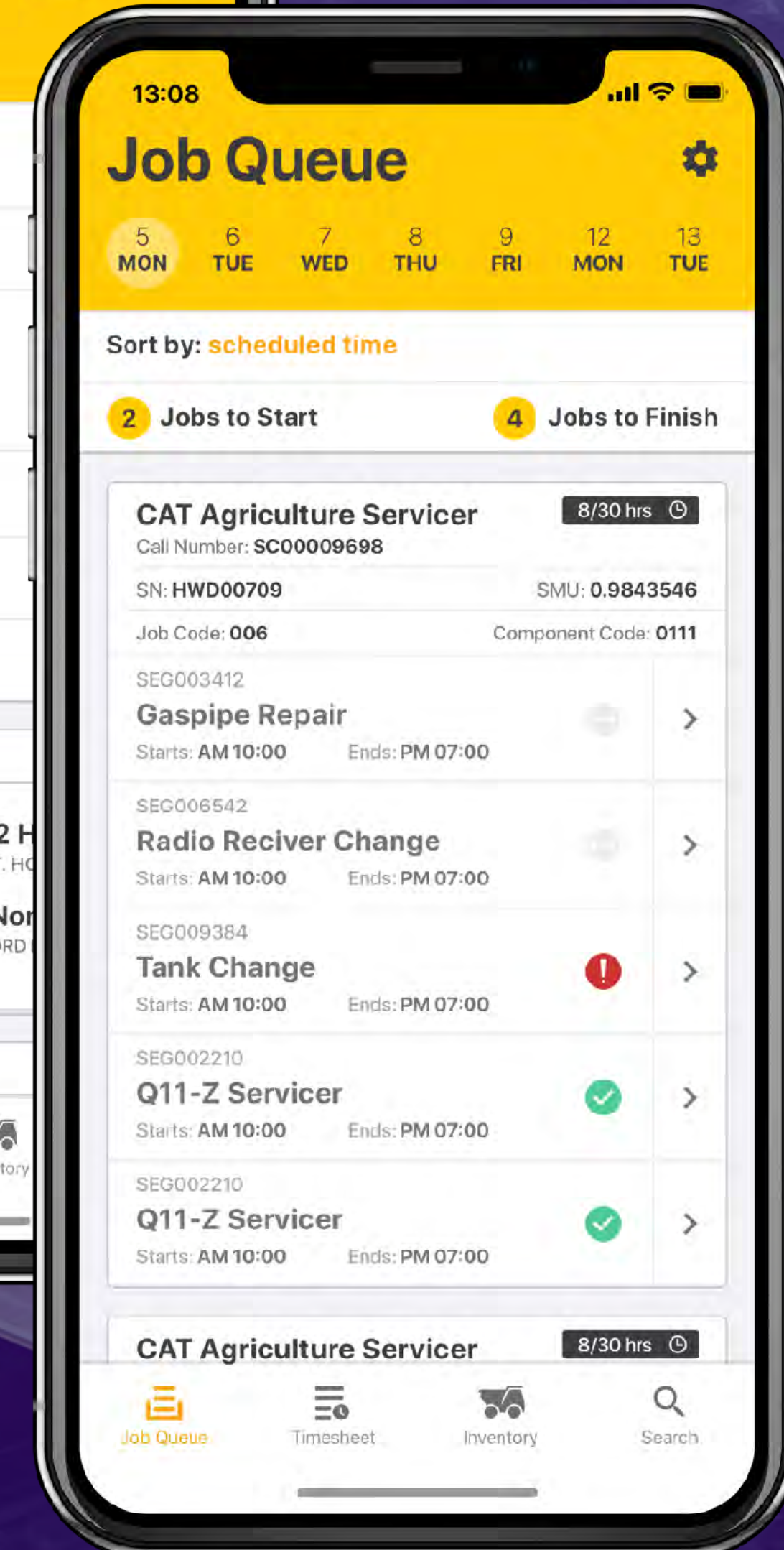
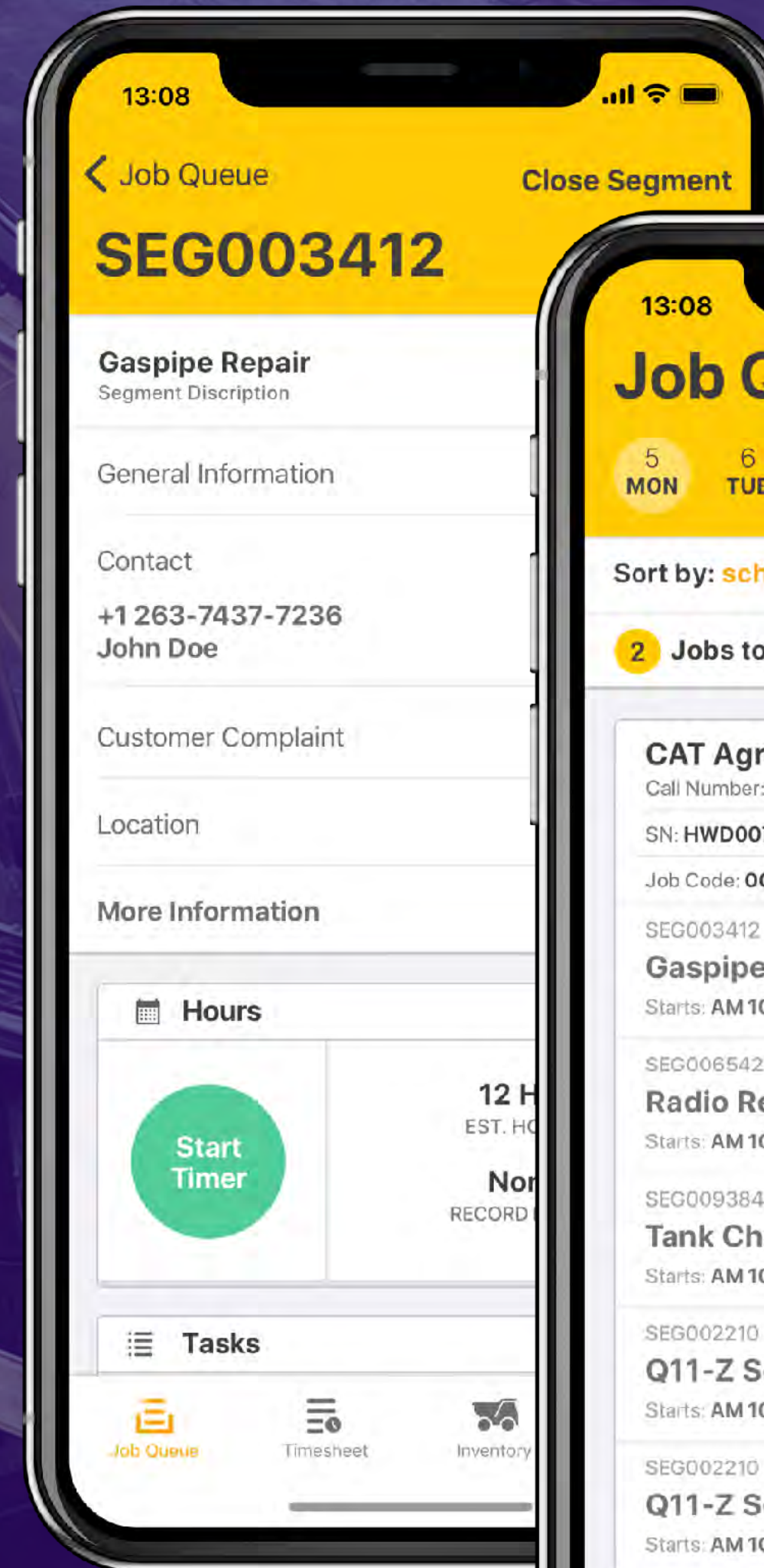


CATERPILLAR

Field Service and Sales Management of Caterpillar's Heavy Equipment

2 Applications for specialists

Over 300 custom screens for 5 mobile platforms





NLP Data Analysis System

Making sense of data

The screenshot displays the LEXALYTICS interface with the following components:

- Projects Section:** Three project cards are visible:
 - Monthly review - January '19:** Last modified: 2019. 01. 02. 255 000 documents.
 - British Petrol - Tweets 2018:** Last modified: 2019. 01. 02. 255 000 documents.
 - Monthly review - December '18:** Last modified: 2019. 01. 02. 255 000 documents.
- Main Dashboard:**
 - Sales Overview:** Sales +\$203.48, Net Sales \$2,652.07, Costs +\$87.02.
 - Customer Attendance:** Line chart showing attendance over time.
 - New Users:** 587 (Daily average), 6.43% New users growth, 9.43% Conversion Rate.
 - Acquisition:** Table of user sources and visits.
 - Devices:** Donut chart showing 9,204 Total Users: Desktop (52.4%), Tablet (16.4%), Mobile (31.2%).
 - Location:** Horizontal bar chart showing user distribution by country.
 - Goals:** 64.24% Goal Conversion Rate, 102.49 Goal Completions.
 - Demographics:** Bar chart showing age group distribution with a 14% increase highlighted.
 - Visitors:** 120,495 Page Views, 22.5% Bounce Rate.



ELMŰ



FŐTÁV



Field Asset Management

Multiplatform system

HŐTÉR | Raporok | Diagramok | Tervezés | Adatmódosítás | Bejelentkezés

Kiszekészítés
Az alábbi listából válassz ki az érintett csőszakaszt, melyet szeretnél kiszekészíteni.

Kiválasztott vezetékszakasz csövei:
Vezetékazonosító: V0155689

Csőszakasz ID	Vezetékazonosító	Irány	Állás
<input checked="" type="checkbox"/> VC155689	14072221	Előre	230
<input type="checkbox"/> VC155687	40322220	Vissza	220
<input type="checkbox"/> VC155685	40322220	Előre	220

Adatok végölapra | Vissza az előzőhöz

Eredmények exportálása

HŐTÉR - X | Favourites | Reports | Query | Services | Log In

Simulation
Set the cut-offs closed up to calculate the upprovided area

Save Cut-offs

State	Task	Tunnel	FŐTÁV ID	ID	Address
<input checked="" type="checkbox"/>		55-2-0090	24004503	24004503	II. Gyenes u. 15
<input checked="" type="checkbox"/>	to close	55-2-0011	24004508	24004508	XXII. Nagytétényi út 186
<input checked="" type="checkbox"/>	to close	55-2-0345	24004988	24004988	XXIII. Pannónia u. 12-16.
<input checked="" type="checkbox"/>	to close	55-2-010	24004910	24004910	XXII. Ágascsa utca 10.

HŐTÉR | Szervezési szám

Távolság és a kiindulási ponttól

1000 m | Újraszámolás

Érkező nézet | Sémajár

Operation Failure Survey

L. Team1 0 / 12

14 Active projects | 2 Late Projects | 123 Completed Projects

Barcode Scan | Play off | Informations | Log Out





Augmented Logistics

Wearable interfaces





E.T. Signal Research

SETI is now searching for E.T. signals

Allen Telescope Array tracker

A web-based app using live visualizations



HabCat - ID:459879512

Current activity 24334

Target type 1st look

Activity start time 17:38:30

95° 124'

Live hours 3:40

collecting data for activity 24334

120 Mhz Band width

FILTERS

VIEWS

- Tycho Reminder
- HabCat
- Exoplanets
- Special
- Spacecraft
- Fake

Map List



OBSERVER NOTES

Apr 23. 07:41 SYSTEM: Antenna Operator has been

Apr 23 06:32 Antenna pointing and now observing



KOI 1099
System with potential planets
Kepler Catalogue

Trappist-1
System with potential planets
Kepler Catalogue

11 UMi
Solar System
Has planets in Habitable Zone

● **Live: Observing Now**
Telescope array searching
extraterrestrial radio signs

Observation Progress

Stars and planets observed for extraterrestrial intelligence. [Learn how...](#)

Catalogue of Objects



A catalog of nearby habitable systems. It consists of 17,129 candidate host stars for potential habitable exoplanets. It's creation was encouraged by the completion of the [Allen Telescope Array](#), the telescopes you can follow on this site.

Objects observed	Size, Distance	Frequencies Covered
TYC 6412-136-1 Large Exoplanet	3x Earth 140 lightyears away	75%
TYC 6412-136-1 Large Exoplanet	3x Earth 140 lightyears away	75%
TYC 6412-136-1 Large Exoplanet	3x Earth 140 lightyears away	75%
TYC 6412-136-1 Large Exoplanet	3x Earth 140 lightyears away	75%



Planetary System Name

11 Umi

ID — 140500

Starchart Category

EXOPLANETS

This star has a confirmed planet orbiting it. Is it inhabited? We're trying to catch radio signs to determine.

Position on Sky

RE: 19.1902

Dec: 43.8980

[View on the sky](#)

Size

4x Earth

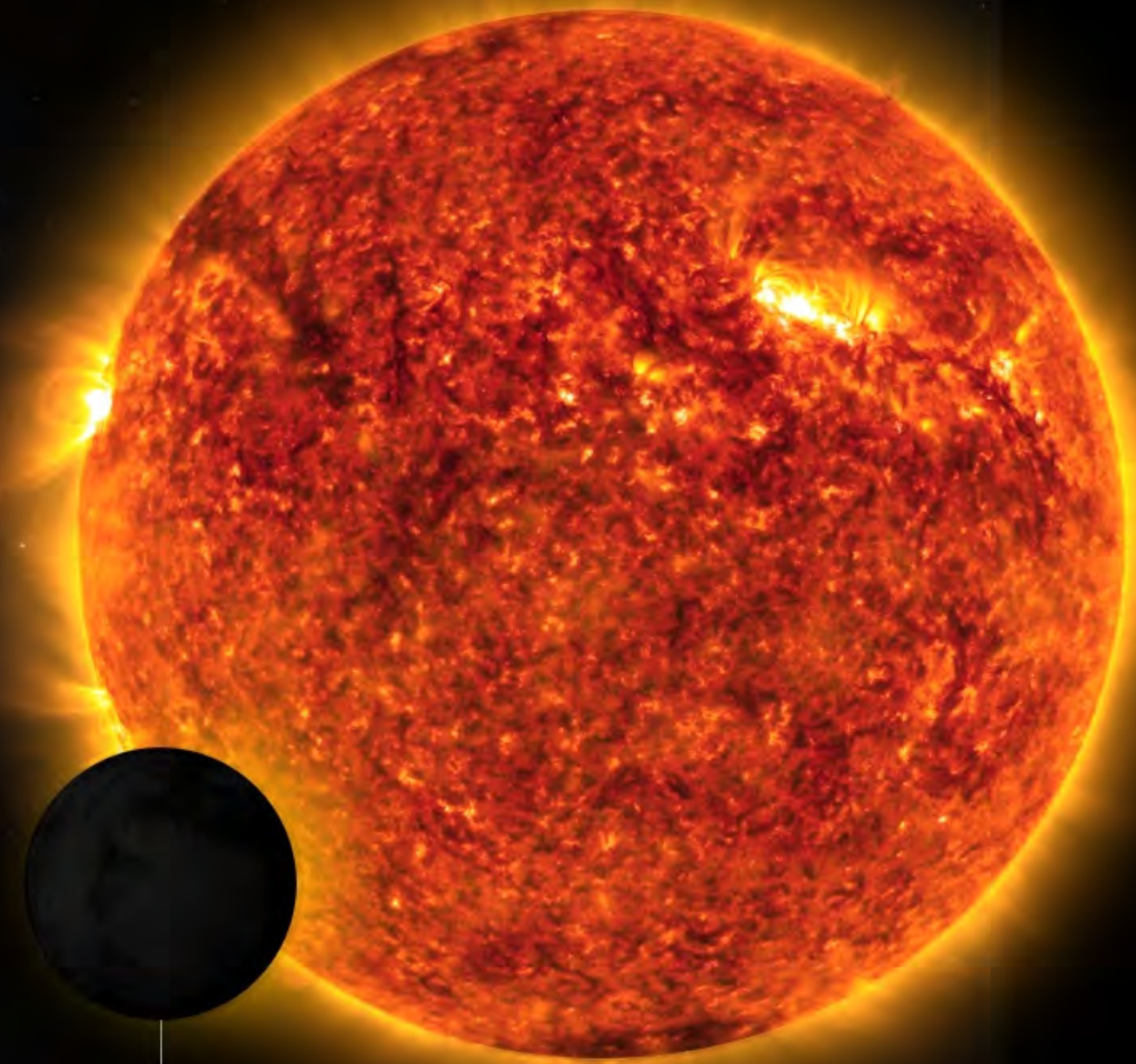
Distance

13 lightyears

Scanning progress



Progress of scanning the system for radio signs on certain bandwidths. 100% means we've listened to the system on all frequencies atleast for 90 minutes.



Size of Earth



UMI 11

Frequency scan progress — detailed graph



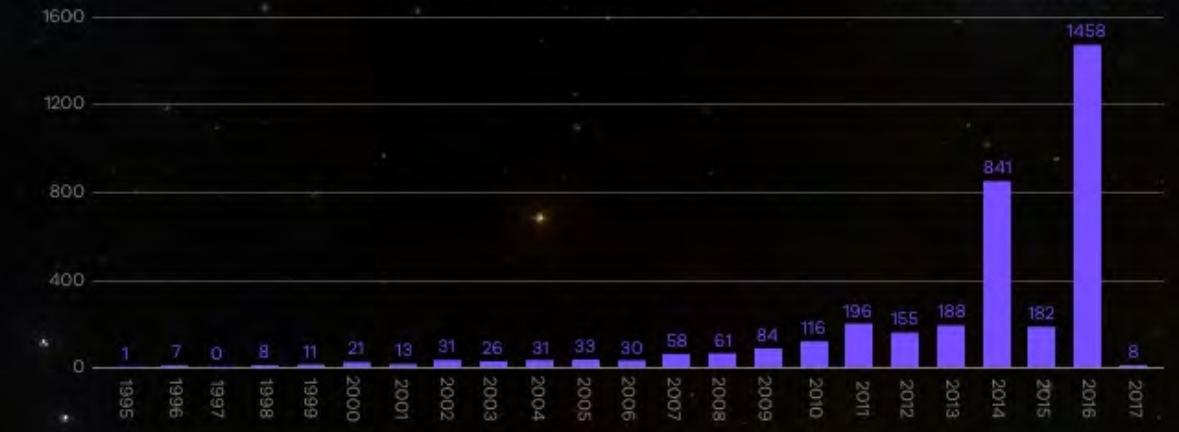
ABOUT EXOPLANETS

About Exoplanets

The discovery of exoplanets has intensified interest in the search for extraterrestrial life. There is special interest in planets that orbit in a star's **habitable zone**, where it is possible for liquid water (and therefore life as we know it) to exist on the surface.

Over 2000 exoplanets have been discovered since 1988 (more specifically, 2107 planets in 1349 planetary systems, including 511 multiple

Confirmed Exoplanets



Puli Space Lunar Water Snooper

Mission Control



PREVIOUS

PLWS MEASURING POINT 1148

NEXT

COSMIC

64 °C

420

TEMP

FLUX

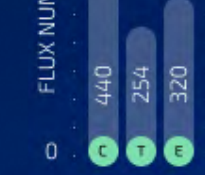
128

2047

RATE

PIXEL

FLUX NUMBER



FLUX

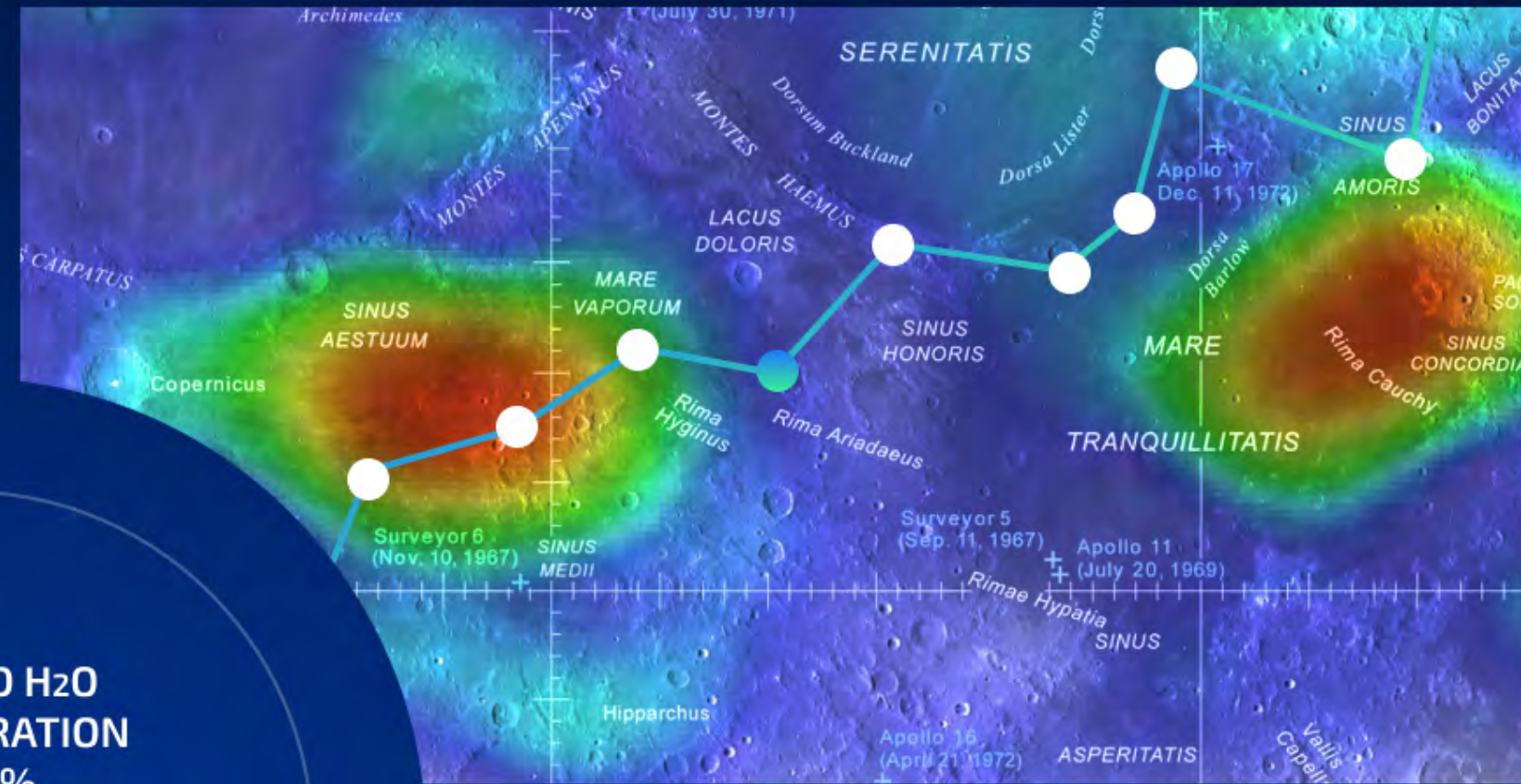
1643209510

UNIX TIMESTAMP

TIME

ASSUMED H2O CONCENTRATION M/M %

7,8%



THERMIC

69 °C

360

TEMP

FLUX

64

1024

RATE

PIXEL

CMOS

10 s

INTEGR

10 s

TRESH

EPITHERMIC

75 °C

280

TEMP

FLUX

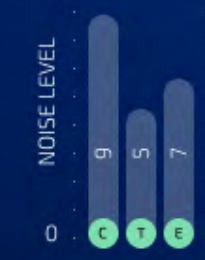
32

512

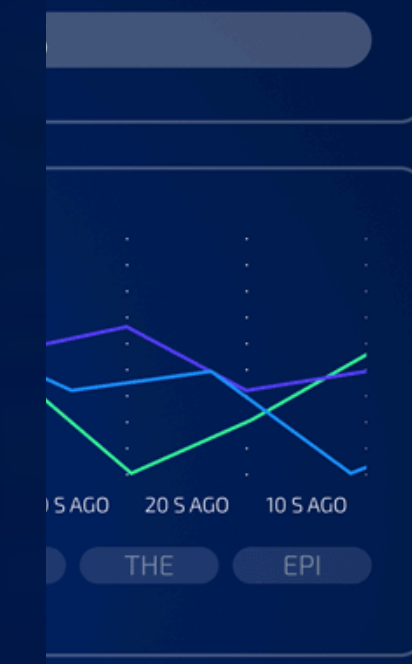
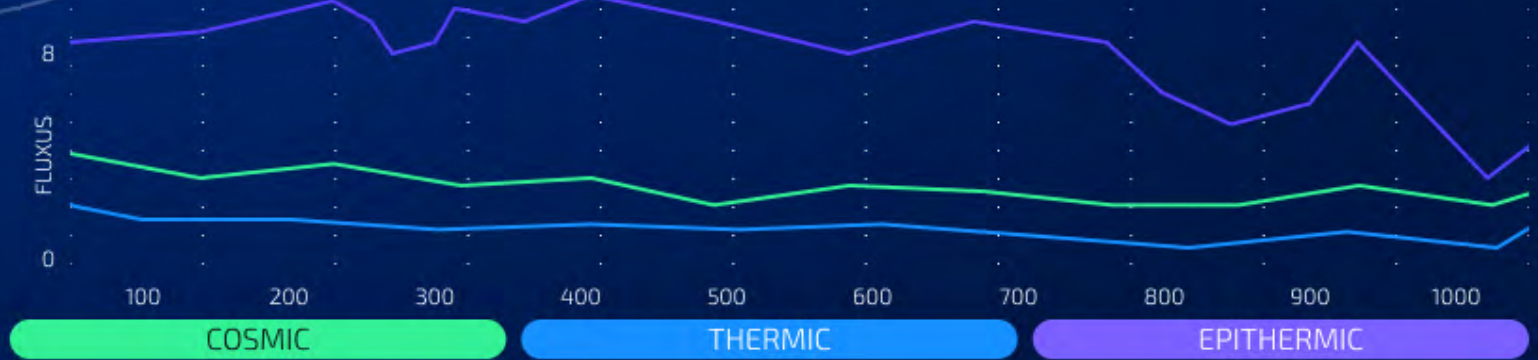
RATE

PIXEL

NOISE LEVEL



NOISE





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