KATAKEM

Autonomous Chemistry

Process Reactors for Chemical Industry Innovation

Discovery → **FASTER** → **Production** → **DISRUPTIVE** → **Delivery**

MiB for **fast scale-up**
from R&D to Production

Automation to accelerate the Delivery through
Decentralised Chemical Production

CPHI

Meet Us: BOOTH **Sv57 -** HALL 6 – Startup Market - **www.katakem.com**

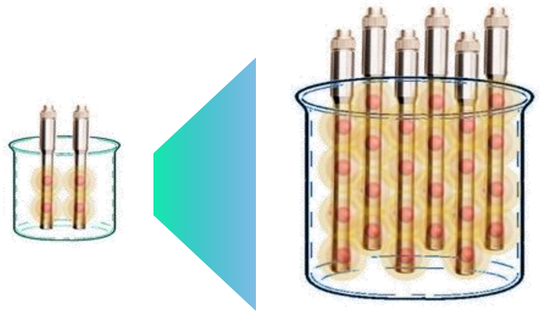
KATAKEM

Autonomous Chemistry

OnePot®

Matrix in-Batch Technology

Full Chemical Process Automation



Dosing Reagents	Temperature (-20 – 200) °C
Reagents Inlet	pH (0-14)
Activation Energy	Pressure (0,2 – 5) barr
Mixing	Weight (0,1 - 5K) g
Extraction	

- ✓ Accelerated **Scale-up**
- ✓ Deep Process **Reproducibility**
- ✓ Instant Chemical Process **Digital Shareability**
- ✓ Extreme Operational **Flexibility**

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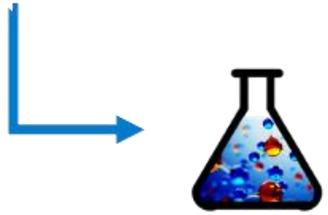
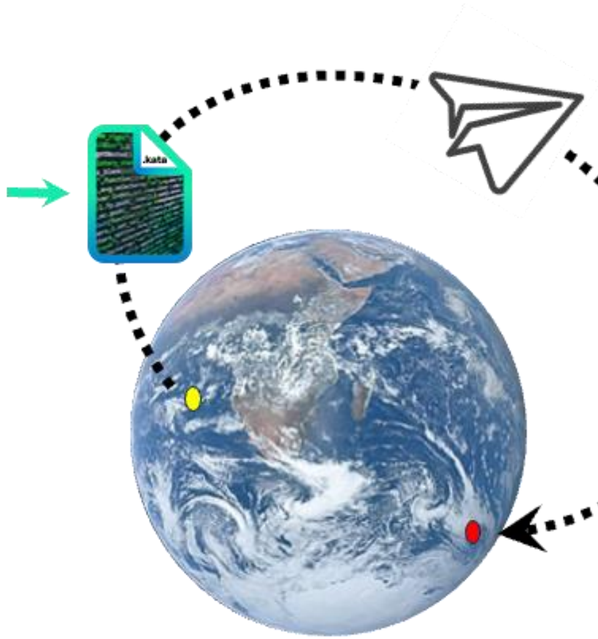
Autonomous Chemistry

OnePot®
«3D Printer for Chemistry»

- ✓ **Chemistry Digitalisation**
- ✓ **Instant Sharing and Reproduction**
- ✓ **Enabling Decentralised Chemical Production**





Share Procedures in seconds

Achieve Over 95% Reproducibility

KATAKEM

Autonomous Chemistry

Vision: Last Mile Production

Pharma Company

Discovery & Development

Sharing Platform

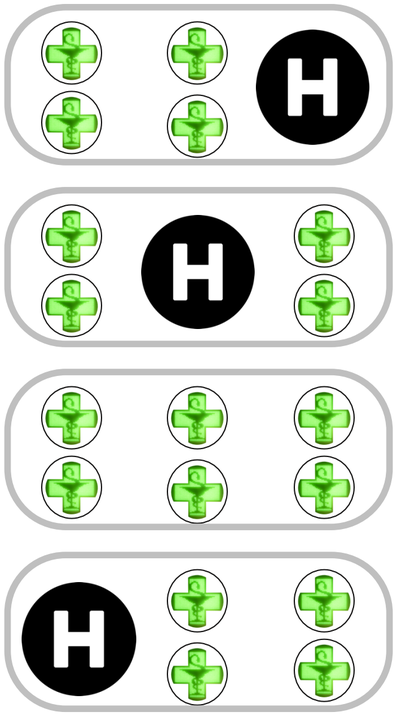
Local Production Units

Last Mile Production

Direct Delivery

Data

Raw Materials



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Autonomous Chemistry

OnePot Validation

Intellectual Property

1 Patent Granted (Italy, 2022)
 # IT202000008245A1

1 PCT for International Protecion (2020)

USA EU* JPN CDN CN KR

2 Publication on International Journals

Academic Partnership & Use Cases

Universiteit van Amsterdam

Università di Torino

UMG Dubium sapientae initium

PUBLISHED

- E.Coli cell culture and CV-wTa enzyme production
- Synthesis of PVP K-90 polymer
- Synthesis of Monastrol
- Scale-Up of Zein Nanoparticles Production
- N-Boc protection of amino acids

Industrialization

7 OnePot Gen.1 Assembled

10+ Use Cases

>5Kh Operating Tests

CE Compliant with Directive 2006/42/EC

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KATAKEM

Autonomous Chemistry

Top Achievements

Accelerated by

Berkeley SKYDECK

UniCredit Start Lab

2023 Awarded by

STARTUP MARATHON

Winner

UniCredit

1st – CleanTech & Industrial

Selected for

TC DISRUPT

San Francisco 2022

Listed in the best 200 startups in the world

Impact Certification

PLUSVALUE IMPACT CERTIFICATION

CERTIFICATION SCORE 3.4

IMPACT RATING BB

CERTIFICATION RESULT Tier 2 - Impact

CERTIFICATION DATE 06/12/2022

KATAKEM

Autonomous Chemistry

Looking For

Meet Us

BOOTH **Sv57 –** HALL 6
(Startup Market)

www.katakem.com

info@katakem.com
marco.francardi@katakem.com

Industrial Partners

For Growth

CPHI