

Start of a global, solvent-free cleaning era by replacing aggressive chemicals



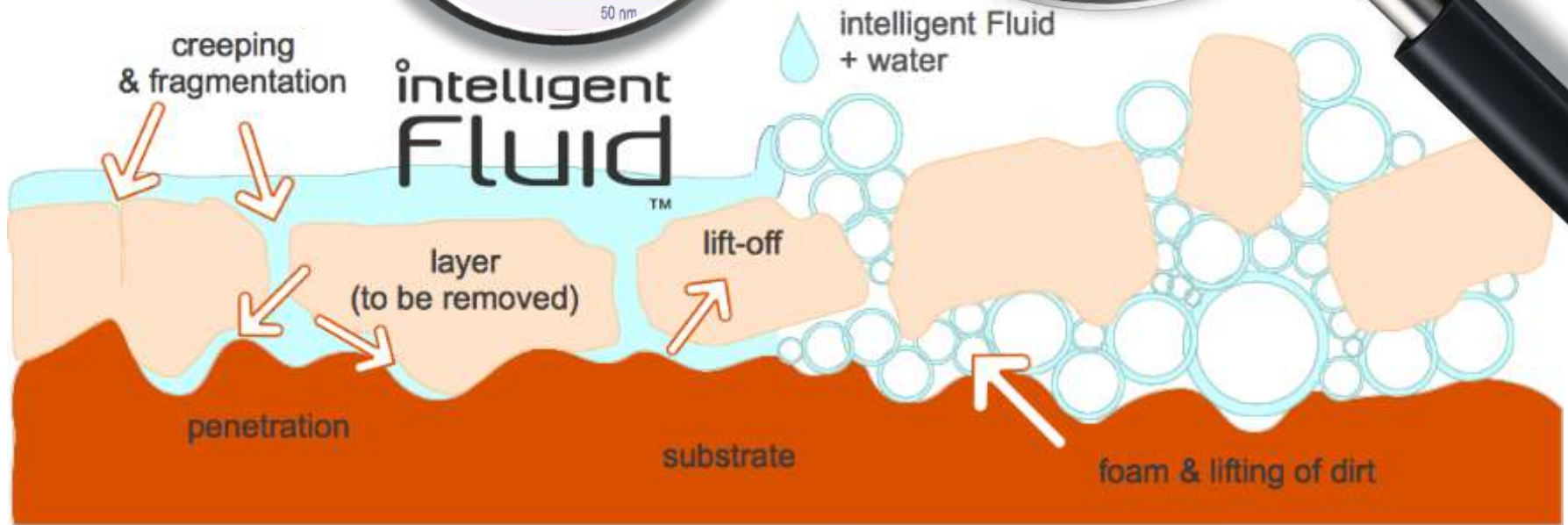
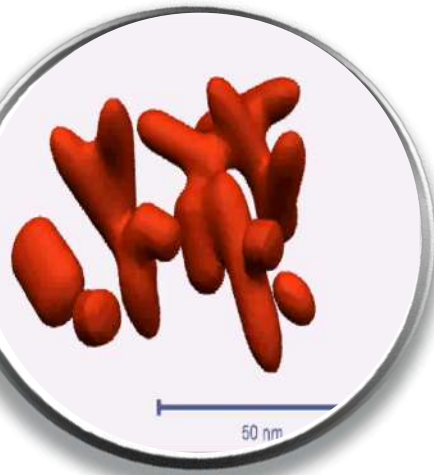

**INTELLIGENT
FLUIDS**
smart physical cleaning

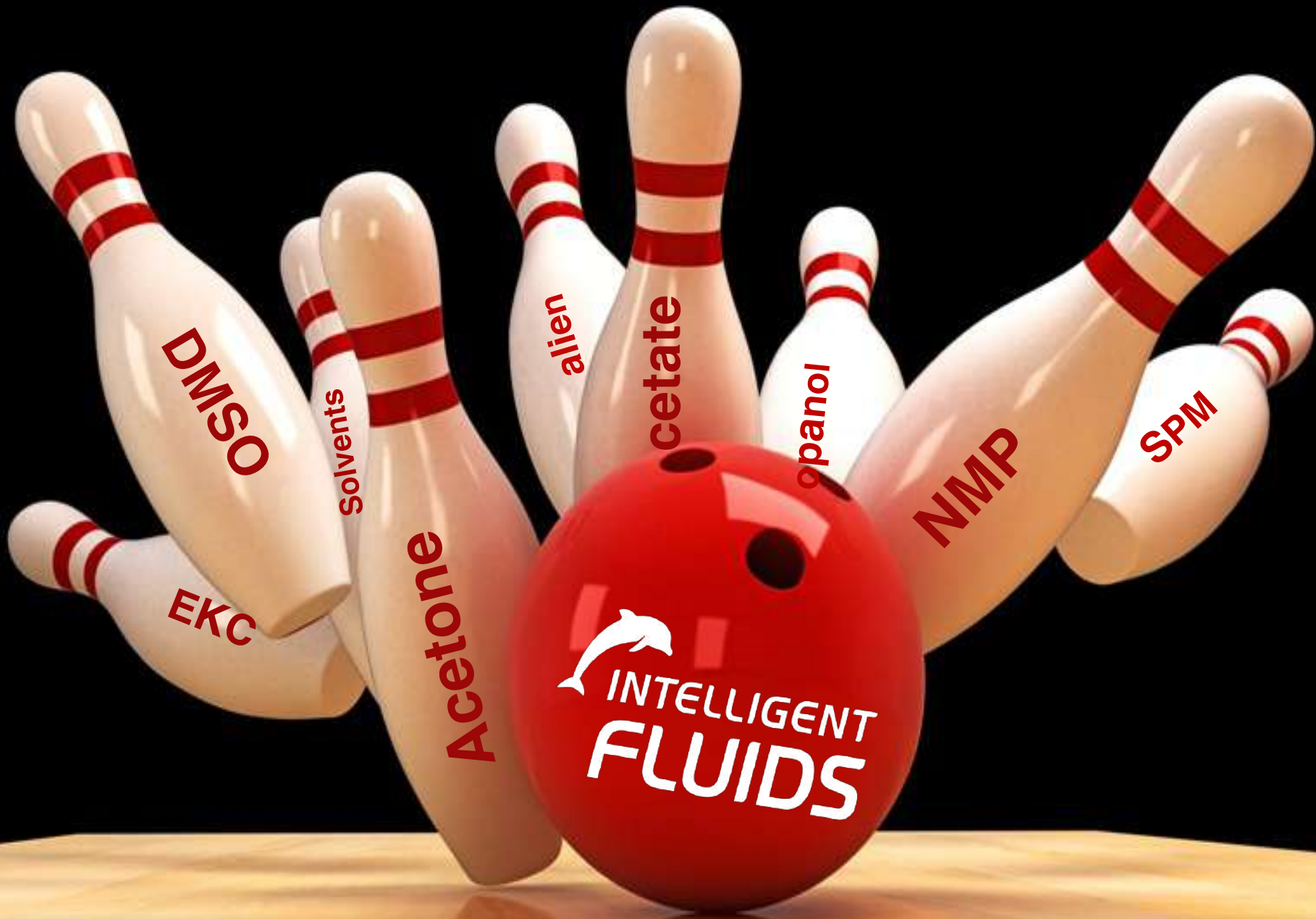
**The transfer from a technology oriented company
to a strong growing product company**

TRAILBLAZING NEW TECHNOLOGY FOR CLEANING AND STRIPPING

MODE OF ACTION:
PENETRATE >
UNDERCUT >
LIFT-OFF

„MICRO-
EARTHQUAKE“





ENABLING THE POST SOLVENT ERA

Start of a global, solvent-free cleaning era by replacing aggressive chemicals

CLASSICAL CHEMICAL SOLVENT BASED CLEANERS	GREEN CHEMICAL CLEANERS	INTELLIGENT FLUIDS
SMARTNESS WEAK	SMARTNESS STRONG	SMARTNESS STRONG
STRONG	WEAK	STRONG
PERFORMANCE	PERFORMANCE	PERFORMANCE

solvent-based chemicals



- 👎 risk to human health
- 👎 dissolving in a chemical aggressive way
- 👎 high energy consumption (heaters, exhaust systems etc.)
- 👎 extensive waste disposal
- 👎 high equipment costs (e.g. ATEX upgrade required)
- 👎 high costs of ownership by complicated and long processes
- 👎 complex regulatory framework with increasing restrictions
- 👎 stressed substrates due to high operating temperature
- 👎 solvent-based

intelligent fluids®



- 👍 dermatologically approved, pH neutral
- 👍 physical function
- 👍 up to 65% energy reduction
- 👍 biodegradable, up to 70% less consumption, filtrable
- 👍 2/3 energy reduction, inflammable, no ATEX required
- 👍 reduced process costs by reducing and optimizing process steps
- 👍 no identification of hazards
- 👍 no high operating temperatures necessary
- 👍 water-based, thermodynamically stable

SUPPORTING AND PAYING IN TO **10** OUT OF 17 UN GOALS

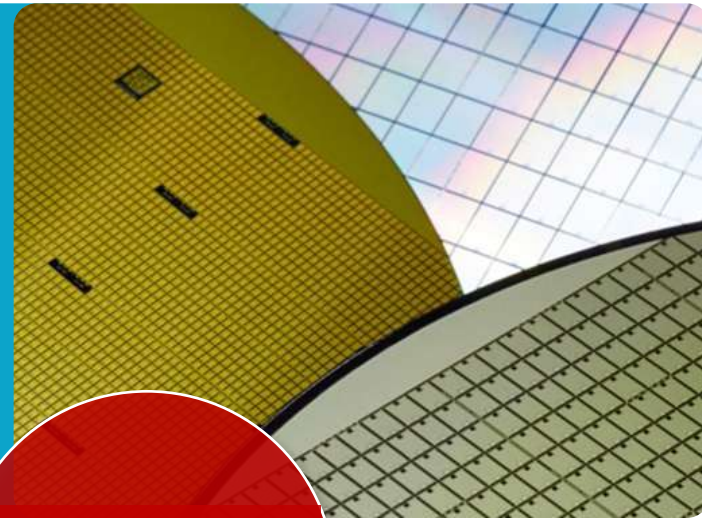




MICROELECTRONICS



MARKET: € 3,2 bn
VOLUME: > € 1,7 bn

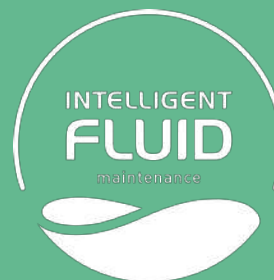


CLEANING
EQUIPMENT
& PARTS

PROCESS
CLEANING



MAINTENANCE



MARKET: € 2,0 bn
VOLUME: > € 1,3 bn



EUROPE



ASIA



SUCCESSFULLY ESTABLISHED – RE-SHAPED 2017



- **COMPANY:** intelligent fluids GmbH
- **LOCATION:** Leipzig / Saxony
Leuna / Saxony-Anhalt
Taiwan (in Plan)
- **MARKETS:** Industrial Maintenance
Microelectronics
- **STAFF:** 22 (2019)
- **INDUSTRY:** Chemical Industry
- **TECHNOLOGY:** patented, unique
- **MARKETS:** Asia, Europe, US

Production Site Europe (Asia in plan):

Actual Capacity at site: 500 tons/year

Possible Upscaling at site: 13.500 tons/year

Research and Development:

Laboratories at headquarters in Leipzig/Germany



smartchem.

smart. sustainable. clean.

**enabling the post-solvent era
by tokenizing smart chemistry**





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intelligent fluids GmbH
SECURITY TOKEN OFFERING (STO)
[smartchem.io](https://www.smartchem.io)