

<sup>part.</sup>

# Devea's DNA

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The most efficient technique of disinfection: the Airborne Surface Disinfection

Also known as terminal disinfection, Airborne Surface Disinfection (ASD) is a device-disinfectant pair able to eliminate microrganisms in extreme conditions for the most demanding sectors.



Inaccessible spaces



After cleanup operation



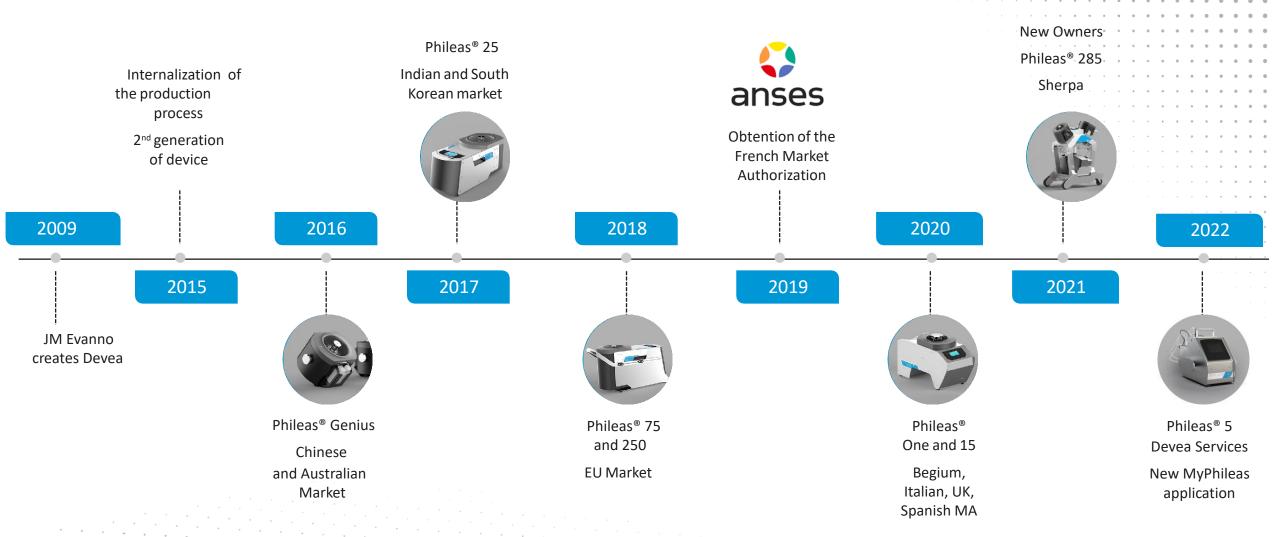
Automatic: non workers dependent





Proven effectiveness

Devea, a key player in ASD for over 12 years



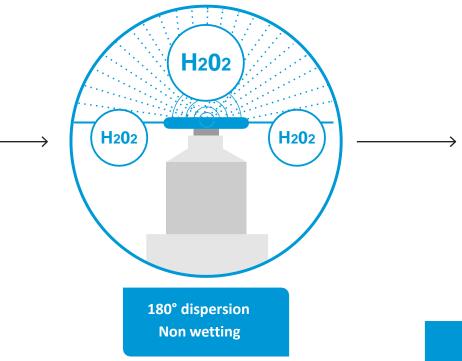


A unique and innovative technology: dry fog by centrifugation

Efficacy of the disinfection processus is guaranteed by the combined use of a Devea device and a Devea disinfectant



Unique disk technology Spinning disk speed: 48 000 RPM Homogeneous diffusion Cold centrifugation





Unique microdrop technology 5 to 10 μm Allows the use of low concentration & low corrosion biocide Short contact time thanks to dropplet size <sup>part.</sup>

Phileas<sup>®</sup> range: to meet all your needs 0





## For extra small volumes



New in 2022





## For small volumes



### Phileas<sup>®</sup> GENIUS

From 0,5m<sup>3</sup> to 5m<sup>3</sup> For Biological Safety Cabinets, Incubator Dual power



### Phileas<sup>®</sup> 25

From 1 m<sup>3</sup> to 40m<sup>3</sup> Dual power Ideal for airlocks, research laboratory



### Phileas<sup>®</sup> MCD

From  $0,5m^3$  to  $5m^3$ For transfer airlock and glove box Semi-fix system





### For medium volumes



### Phileas<sup>®</sup> 15

From 10 to 165\*m<sup>3</sup> Winery tanks: Ideal for tanks from 20 to 1000hL On battery



### Phileas<sup>®</sup> 75

From 10 to 165\*m<sup>3</sup> On wheels Extreme precision (integrated scale): automatic flow control For high tech industry



### Phileas<sup>®</sup> ONE

From 10 to 165\*m<sup>3</sup> Easy & robust Affordable price For hospital, patient & operating room



165m<sup>3</sup>: given the 2L tank capacity and the recommended 12mL/m<sup>3</sup> dosage (as in the Marketing Authorisation)





## For large volumes



### Phileas<sup>®</sup> 250

From 50 to 800m<sup>3</sup> Double diffusion heads On wheels Extreme precision (integrated scale): automatic flow control For production area, muti-rooms setup



### Phileas<sup>®</sup> 285

From 50 to 1,000m<sup>3</sup> Double diffusion heads On wheels Robust For food industry



### Phileas<sup>®</sup> SHERPA

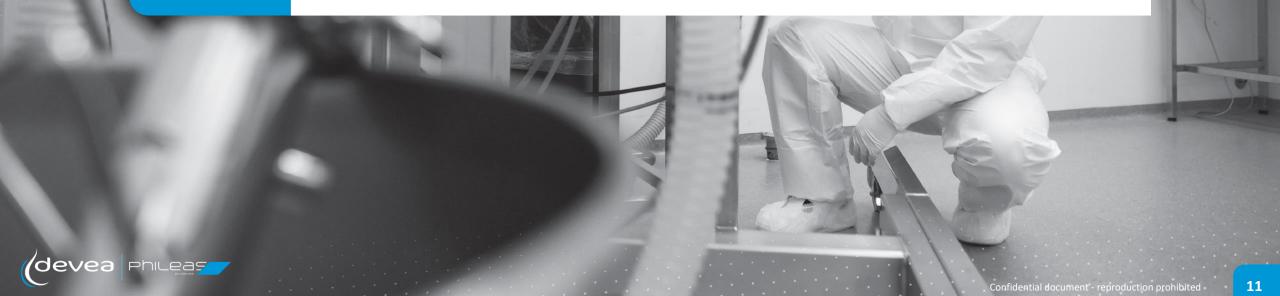
From 100m<sup>3</sup> to ..... Pilot fish or mapping For logistic company



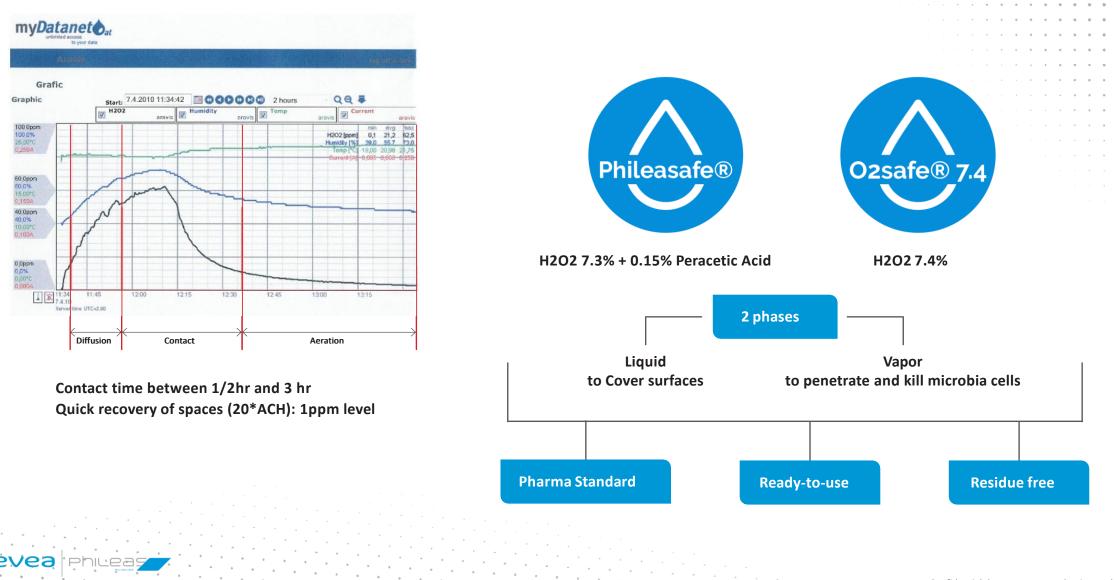


# PART.

# Devea: the highest security level of certification



## Devea offers 2 efficient & ecologic Biocides





# Devea ASD solution obtained the highest level of certification





NF 72 281 Version 2014

EN 17 272





Final Decision of a Market Authorization for a Biocide Product\* N°

AMM: FR-2019-0071



Most tests in accordance with **EN 17-272**; some additional tests. All tests conducted by independant research laboratories

# Devea ASD solutions obtained the highest level of certification

	Microrganism	Medical	Veterinary	Industrial & Food	Contact Time	Dose (mL/m <sup>3</sup> )	Conditions	Concentration	Report number
Bacteria	Staphylococcus aureus	~	√	✓	2h	12	T: 20°C - 21°C H: 45% - Vol 55m³	H <sub>2</sub> O <sub>2</sub> 7.4%	R-DSVADVE002-3
	Enterocoque hirae	~	~	~	2h	12	T: 20°C - 21°C H: 45% - Vol 55m³	H <sub>2</sub> O <sub>2</sub> 7.4%	R-DSVADVE002=3
	Escherichia coli	~	n/a	~	2h	12	T: 20°C - 21°C H: 45% - Vol 55m³	H <sub>2</sub> O <sub>2</sub> 7.4%	R-DSVADVE002-3
	Pseudomonas aeruginosas	n/a	~	~	2h	12	T: 20°C - 21°C H: 45% - Vol 55m³	H <sub>2</sub> O <sub>2</sub> 7.4%	R-DSVADVE002-3
	Salmonella typhimurium	✓			3h	12	T: 20°C - 21°C H: 65% - Vol 140m³	H <sub>2</sub> O <sub>2</sub> 7.4%	R-SAP0211 SMI2018039.1
	Listeria monocytogenes	$\checkmark$			3h	12	T: 20°C - 21°C H: 65% - Vol 140m³	H <sub>2</sub> O <sub>2</sub> 7.4%	R-SAP0211 SMI2018039.1
	Mycobacterium terrae	~	n/a	~	3h	12	T: 20°C - 21°C H: 45% - Vol 55m³	H <sub>2</sub> O <sub>2</sub> 7.4%	R-DSVADEV 003
Yeast	Aspergillus brasiliensis	~	~	~	2h	12	T: 20°C - 21°C H: 45% - Vol 55m³	H <sub>2</sub> O <sub>2</sub> 7.4%	R-DSVADVE002-3
	Candida albicans	~	~	~	2h	12	T: 20°C - 21°C H: 45% - Vol 55m³	H <sub>2</sub> O <sub>2</sub> 7.4%	R-DSVADVE002-3
Bacterial spore	Bacillus subtilis	~	$\checkmark$	✓	3h	12	T: 20°C - 21°C H: 55% - Vol 50m³	H <sub>2</sub> O <sub>2</sub> 7.4%	R-2104-DSVADEV-001-1
	Geobacillus stearothermophilus	~	✓	✓	3h	12	T: 20°C - 21°C H: 65% - Vol 140m³	H <sub>2</sub> O <sub>2</sub> 7.4%	R-SAP0211 SMI2018039.1
Virus	ECBO (enterovirus bovin)	$\checkmark$			2h	12	T: 20°C - 21°C H: 45% - Vol 55m <sup>3</sup>	H <sub>2</sub> O <sub>2</sub> 7.4%	R-DSVADVE002-3
	MNV-1 (norovirus murin)		n/a	✓ · · · · · · · · · · · · · · · · · · ·	2h	12	T: 20°C - 21°C H: 45% - Vol 55m <sup>3</sup>	H <sub>2</sub> O <sub>2</sub> 7.4%	R-DSVADVE002-3
	Adenovirus & Poliovirus	$\checkmark$	n/a	✓	3h	12	T: 20°C - 21°C H: 45% - Vol 55m³	H <sub>2</sub> O <sub>2</sub> 7.4%	R-DSVADVE003
	SARS-COV2 (WUHAN) & SARS-COV2 (UK)				3h	12	T: 20°C - 21°C H: 45% - Vol 80m³	H <sub>2</sub> O <sub>2</sub> 7.4% Confidential do	R-2103-DSVADEV-001-1 cument - reproduction prohibited

<sup>part.</sup>

# Devea: our Business Model

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Devea Solutions: Phileas<sup>®</sup> + O2SAFE<sup>®</sup> / PHILEASAFE<sup>®</sup> Devea Services: Service provision, app, protocols, maintenance, leasing

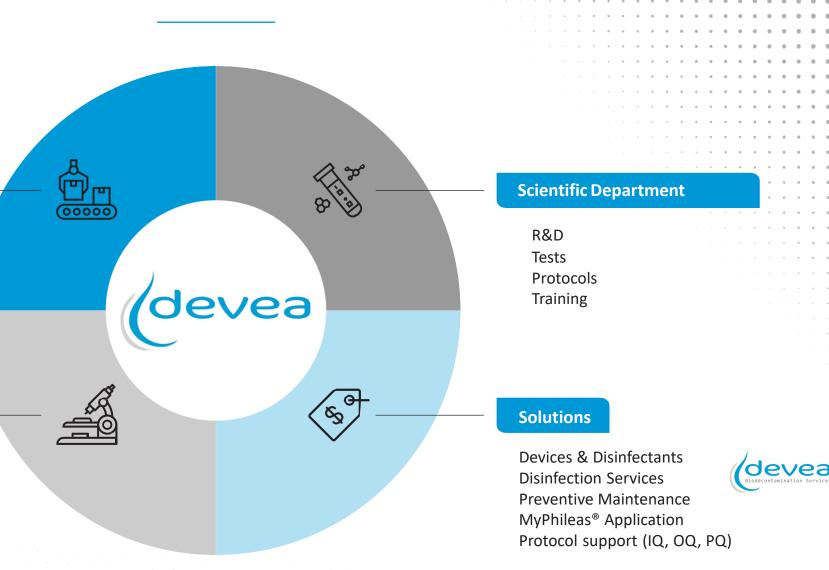
#### Manufacturing

Made in France Maintenance services:

- Preventive Maintenance

- After sale service, answer within 48hrs

Our **Business** Model



### **Tailor-made services**

Site Analysis & Risk assessment Protocol design support Analysis and reports Guaranteed results Full traceability (MyPhileas® app)

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A ponctual or urgent need for disinfection? Disinfection service provision by Devea

Whether it be after works, a period of inactivity, a contamination episode... Biodecontamination of clean rooms by Devea experts (authorized to enter L3 laboratories), and the complete range of Phileas<sup>®</sup> devices depending on the configuration of the premises:

- Feasibility study on plan
- On-site validation study



Incubation of biological indicators

Full report submitted no later than 7 days after obtaining incubation results biological indicators





On a tablet or on a computer:

Define processing zones and associated protocols

- Connect remotely with a Phileas<sup>®</sup> device and start or stop it
- Consult the latest diffusion reports: date, time, operator, zone, dose, biocide, lot number, information on the diffusion program (delay time, diffusion time, number of cycles, contact time), quantity of biocide diffused...





Biodecontamination with peace of mind: the preventive maintenance contract and/or the maintenance kits

Preventive maintenance contract:

14 checkpoints each year

Replacement of parts to guarantee the conduct of broadcasts



The reliability of your Phileas® assured



# Market segments





## Why chosing Devea?

### Our Key Points



Market Authorization in EU



Centrifugation technology Less toxicity  $H_20_2$  7,4% Homogeneity - Dry No residue - Mobility

Affordable price

Connectivity

**MyPhileas**<sup>®</sup>



Full range for all volumes



No EU Market Authorization



Spray with nozzle Vapor Hydrogen Peroxyd VHP

Our advantages vs competitors

High concentration 35% corrosive Need fan - Humid - Residue



Expensive

2 models

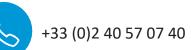
Large overwhole size







### Thank you for your attention!





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