

^{part.}

Devea's DNA

0

6





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



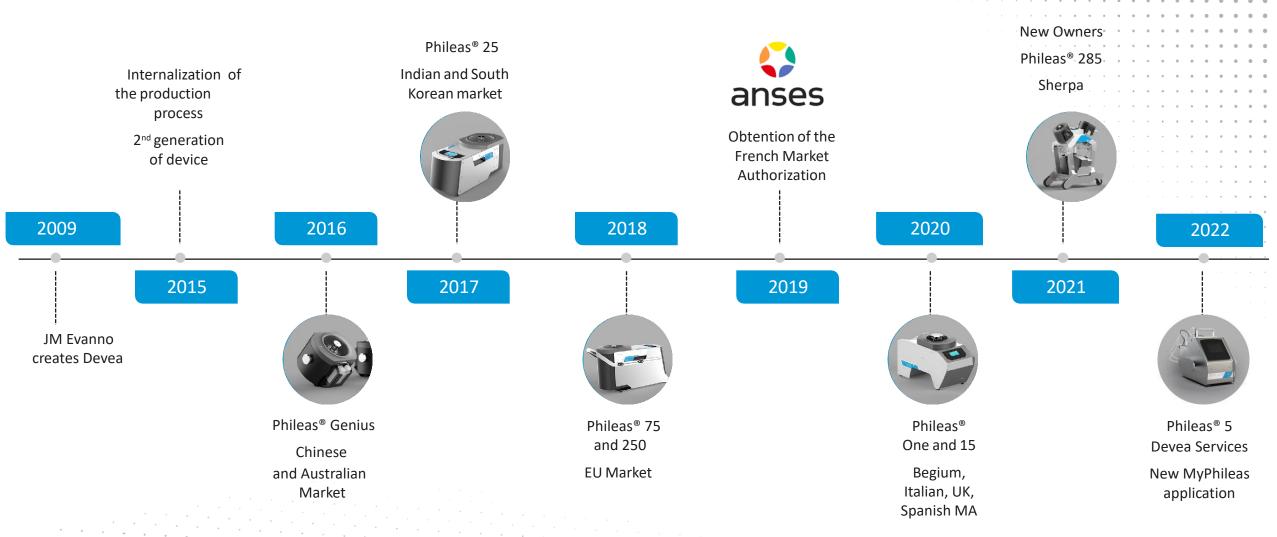
Automatic: non workers dependent





Proven effectiveness

Devea, a key player in ASD for over 12 years



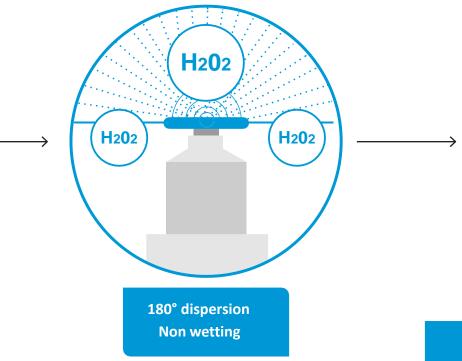


A unique and innovative technology: dry fog by centrifugation

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 ^{part.}

Phileas[®] range: to meet all your needs 0





For extra small volumes



New in 2022





For small volumes



Phileas[®] GENIUS

From 0,5m³ to 5m³ For Biological Safety Cabinets, Incubator Dual power



Phileas[®] 25

From 1 m³ to 40m³ Dual power Ideal for airlocks, research laboratory



Phileas[®] MCD

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





For medium volumes



Phileas[®] 15

From 10 to 165*m³ Winery tanks: Ideal for tanks from 20 to 1000hL On battery



Phileas[®] 75

From 10 to 165*m³ On wheels Extreme precision (integrated scale): automatic flow control For high tech industry



Phileas[®] ONE

From 10 to 165*m³ Easy & robust Affordable price For hospital, patient & operating room



165m³: given the 2L tank capacity and the recommended 12mL/m³ dosage (as in the Marketing Authorisation)





For large volumes



Phileas[®] 250

From 50 to 800m³ Double diffusion heads On wheels Extreme precision (integrated scale): automatic flow control For production area, muti-rooms setup



Phileas[®] 285

From 50 to 1,000m³ Double diffusion heads On wheels Robust For food industry



Phileas[®] SHERPA

From 100m³ to Pilot fish or mapping For logistic company



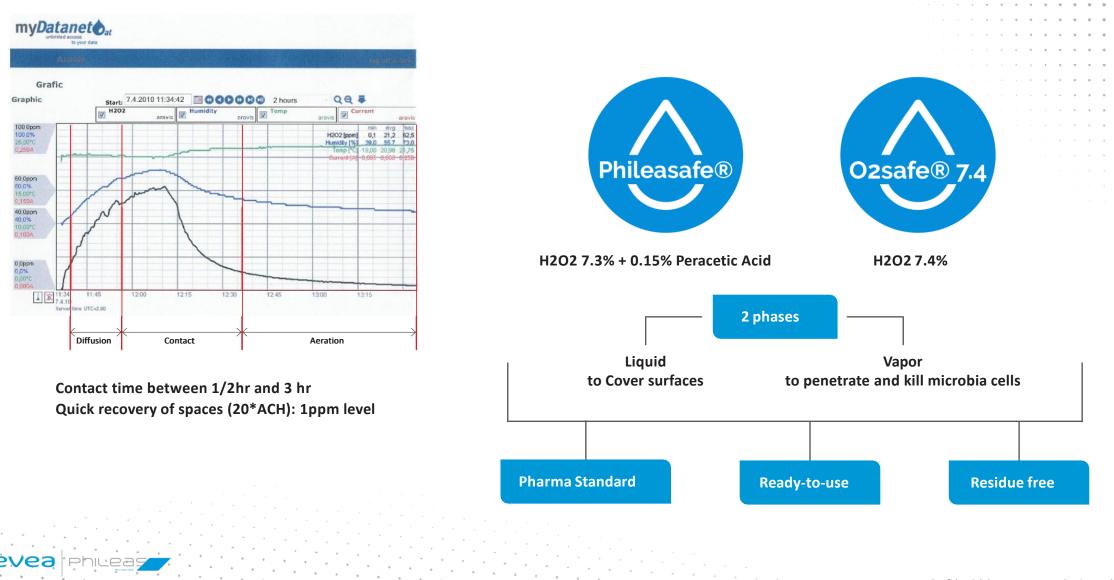


PART.

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

^{part.}

Devea: our Business Model

0



Devea Solutions: Phileas[®] + O2SAFE[®] / PHILEASAFE[®] Devea Services: Service provision, app, protocols, maintenance, leasing

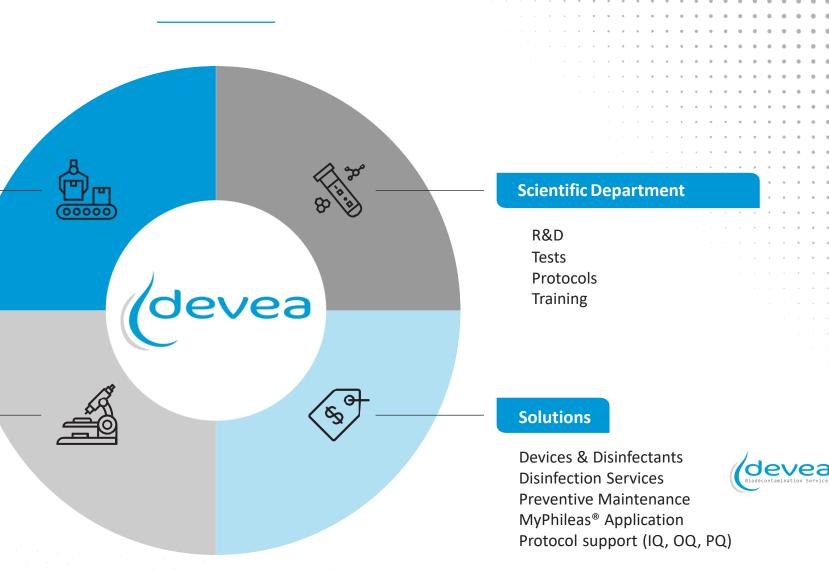
Manufacturing

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)

Confidential document - reproduction prohibited



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[®] 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[®] 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[®]



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

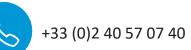
Large overwhole size







Thank you for your attention!





puminski@devea-environnement.com



Cellule 5D, MBY4 PA du Bois de la Noue 44360 St-Étienne-de-Montluc France



