



VERTECH
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Vertech-Group

Innovating the present, imagining the future

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Engineering company from France-SME:

- (i) Sustainability assessments; LCA, LCC, Social LCA,*
- (ii) Ecological footprint,*
- (iii) Resources and energy efficiency assessments,*
- (iv) Technological and environmental risk assessments*
- (v) Circular economy business models,*
- (vi) Risks assessments,*
- (vii) Social acceptance analysis,*
- (viii) Production modeling and optimized waste collection and prevention.*



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H2020 & FP7:

- **Nanopack**/18 Partners/11 countries/8M€
- **Karma2020**/16 Partners/9 countries/6M€
- **CloseWeee** /12 Partners / 6 Countries / 6M€
- **Ecoxy**/13 Partners/8 countries/5M€
- **Ecobulk**/29 Partners/10 countries/10M€
- **ValueMag**/Partners/9 Countries/5M€
- **Ligniox**/10 Partners/7 Countries/4M€
- **CH2P**/8 Partners/ 5 countries / 4M€
- **Aquanes**/ 30 Partners / 9 Countries / 8.7M€
- **PrecoM**/ 17 Partners/7 Countries/6M€.
- **JOIN'EM**/14 Partners/6 Countries /4M€
- **Fuel from Waste** / 8 Partners / 7 Countries / 3.6M€
- **Grail**/15 Partners/ 10 Countries / 6M€
- **Innobite**/ 9 Partners / 6 Countries / 4M€
- **Water4India**/ 15 Partners / 9 Countries / 4M€
- **Noshan**/ 12 Partners / 7 Countries / 4M€





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SPIRE-04-2018.- Efficient integrated downstream processes (IA)

Concept: *Production of Terephthalic Acid (TPA) through the use of a cavitation reactor. TPA: chemical used primarily in the manufacture of polyesters and PET (poly-ethylene-terephthalate). Patented filed. Expected benefits after technology industrialization:*

- *Dramatic improvement in TPA product quality*
- *CAPEX reduction*
- *OPEX reduction*
- *Energy saving*
- *Carbon footprint improvement*

Partners needed:

- Industrial partners: *producers of PET, producers of biorefinery building blocks (e.g. levulinic acid and succinic acid)*
- Engineering companies: *Integration of the process.*

Contact details

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