

Slovak company has developed 3D concrete printer. The company is looking for end buyers or construction companies and offers commercial agreement with technical assistance to companies in EU countries and Ukraine, in Meditterenean and Black Sea Region.

## Summary

Profile type

**Technology offer**

Company's country

**Slovakia**

POD reference

**TOSK20230426011**

Profile status

**PUBLISHED**

Type of partnership

**Commercial agreement with technical assistance**

Targeted countries

- **North Macedonia**
- **Tunisia**
- **Egypt**
- **Montenegro**
- **Ukraine**
- **Moldova**
- **Cyprus**
- **Azerbaijan**
- **Kosovo**
- **Serbia**
- **Armenia**
- **Bosnia and Herzegovina**
- **Norway**
- **Georgia**
- **Albania**
- **Malta**
- **Turkey**

Contact Person

**[Rita Elste - Tomsone](#)**

Term of validity

**26 Apr 2023**

**25 Apr 2024**

Last update

**26 Apr 2023**

## General Information

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### Short summary

Slovak SME is specialized in Construction & 3D Printing. The company has developed 3D concrete printer and is looking for end buyers or construction companies with project where the technology could be part of the building process. The technology is offered with technical assistance, workers training and warranty and post-warranty service. The company is interested in EU market and the technology could be helpful also in Ukraine recovery and in Meditterenean and Black Sea Region. Company offers

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### Full description

Slovak company has developed 3D concrete printer with integrated extruder for concrete, concrete-pump (mixing the final mixture), power supply via electrical switchboard and control directly from a tablet via a specialized and trained worker on site of the project or in the workshop.

It is a fully integrated and portable mobile (as a van) solution for printing objects, creative elements and individual components of a building made of concrete, directly at the design construction site. Solution can be applied for both civil and military end users.

The vertical tubular system is sophisticatedly made to be stacked one on top of the other (=on top of each other), for printing higher floors and product scaling. This is a niche market, in a global context, as currently this technology is mainly available in the lower-floor market.

The company is looking for construction companies with projects (orders) with small-metre-area buildings (approx. 100m<sup>2</sup> and above). Technology is specially useful for construction projects with multiple smaller – sized houses or Atrium building.

#### CONSTRUCTION APPLICATION:

- Passive Walls
- Perlit Insulation
- Steel Reinforcement
- Machine Plasters
- Curves , Arches Pillars
- Higher Floors
- ATRIUM Buildings

The solution is offered primarily for end users and companies in construction projects and remotely controlled process. The technology is offered with technical assistance, workers training and warranty and post-warranty service. The company is interested mainly in EU market. The technology could be helpful in Ukraine recovery. Company offers commercial agreement with technical assistance.

#### Advantages and innovations

This is a niche market, in a global context, as currently this technology is mainly available in the lower- floor (non – foldable) market. The vertical tube system is unique „Ease to build and dismantle“ Modular Tube System with vertical foldable tubes for higher floors and fixing tripod. This can be applied especially thanks to strong, but very light weight machinery made of composite.

#### Technical specification or expertise sought

#### Stage of development

**Already on the market**

#### Sustainable Development goals

• **Goal 17: Partnerships to achieve the Goal**

#### IPR Status

**No IPR applied**

## Partner Sought

#### Expected role of the partner

The company is looking for partners that would like to buy this solution for theirs building projects. Company is also providing a complete construction service, with operation on site.

#### Type of partnership

**Commercial agreement with technical assistance**

#### Type and size of the partner

- **SME 50 - 249**
- **SME <=10**
- **SME 11-49**

## Dissemination

Technology keywords

- **002006005 - Mechanical Engineering, Hydraulics, Vibration, ...**
- **002006003 - Construction Equipment**

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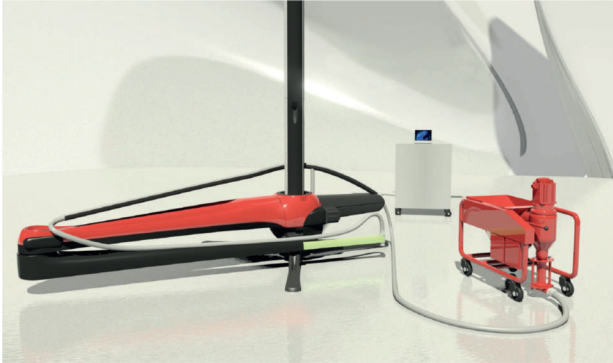
Market keywords

- **009007006 - Other construction and building products related**
- **009007001 - Construction**
- **009007005 - Construction services**

Sector groups involved

## Media

Images



[Constructor.png](#)