POLYTEDA PowerDRC/LVS and PVCLOUD Qualified for TowerJazz TS18 Platform

Cloud-based physical verification solution reduces design cycle time, costs, and time to market for TowerJazz customers

KIEV, Ukraine, September 5, 2018 – POLYTEDA UKRAINE LLC, an innovator in physical verification (PV) tools for the semiconductor industry, announced today the completion of qualification for its products – classical desktop tool **PowerDRC/LVS and PVCLOUD**, an advanced cloud-based physical verification solution for TowerJazz, the global specialty foundry leader. Now IC designers using TowerJazz's 0.18nm platform have access to a fast, accurate and cloud-ready sign-off quality solution on a pay-per-use basis to dramatically reduce design cycle time and benefit from reduced costs and faster time to market.

POLYTEDA's PowerDRC/LVS enables rapid verification of new designs to ensure accuracy prior to mask creation and manufacturing. It can process multiple design rules and design layers simultaneously. In addition to superior processing speed, PowerDRC/LVS can handle huge amounts of data -- up to tens of billions of transistors.

"We worked with POLYTEDA CLOUD to create and QA runsets with sign-off quality for our TS18 platform including CMOS image sensor, power management and CMOS process technologies," said **Ofer Tamir, Design Enablement Senior Director at TowerJazz**. "The cloud-based solution will give our mutual customers another alternative to run physical verification using a pay-per-use concept, which is unique."

"We are changing the EDA market as IC designers can now use PVCLOUD - our advanced cloud-based physical verification platform on a pay-per-use basis. It is fast, accurate, and utilizes the customer's current design environment to present violations in a rational and organized way to quickly and easily validate their layout prior to manufacturing," said **Alexander Grudanov, POLYTEDA Chief Executive Officer**. "We are pleased to have qualified our PV platform at TowerJazz and look forward to further developing our productive and strategic partnership."

About POLYTEDA

POLYTEDA CLOUD was founded in 2015, developing cloud-ready PV-workflow based on the fastest and most accurate flat engine in the market supporting hierarchical and multi-CPU capabilities.

PowerDRC/LVS addresses the complex physical verification stage of microchip design of a sign-off quality, which is a critical stage prior to manufacturing at a semiconductor foundry. POLYTEDA CLOUD engineers have the superior experience in developing high-end software for the microelectronics industry.

About TowerJazz

Tower Semiconductor Ltd. (NASDAQ: TSEM, TASE: TSEM) and its subsidiaries operate collectively under the brand name TowerJazz, the global specialty foundry leader. TowerJazz manufactures next-generation integrated circuits (ICs) in growing markets such as consumer, industrial, automotive, medical and aerospace and defense. TowerJazz's advanced technology is comprised of a broad range of customizable process platforms such as: SiGe, BiCMOS, mixed-signal/CMOS, RF CMOS, CMOS image sensor, integrated power management (BCD and 700V), and MEMS. TowerJazz also provides world-class design enablement for a quick and accurate design cycle as well as Transfer Optimization and development Process Services (TOPS) to IDMs and fabless companies that need to expand capacity. To provide multi-fab sourcing and extended capacity for its customers, TowerJazz operates two manufacturing facilities in Israel (150mm and 200mm), two in the U.S. (200mm) and three

facilities in Japan (two 200mm and one 300mm). For more information, please visit www.towerjazz.com.