Nanium Overview
NANIUM is an independent company in the semiconductor market, providing contract Assembly and Engineering Services for WLP, Assembly & Test.

Shareholder Structure

- **Banco Espírito Santo**: 41.06%
- **Portuguese State**: 17.88%
- **Millennium BCP**: 41.06%
A world-class facility in Europe

- A state-of-the-art facility located in Portugal, near Porto, with > $1B cumulated investment.
NANIUM Infrastructure Overview
One-Stop-Service for Customer / Turnkey Solutions

A world-class facility for die / wafer / module level assembly, test & packaging.
Fully certified ISO/TS 16949, ISO 9001, ISO 14001 and OHSAS 18001.
World Class Wafer Level Equipment
Wafer Level Packaging (WLP)
Fan-In WLP up to 300 mm

APPLICATIONS

WLCSP product’s application includes:
- Mobile and Consumer Products - Handsets
- Wireless Connectivity including Bluetooth, WLAN, FM radio, GPS, A-GPS
- Analog and other ICs like MEMS and Sensors

WLCSP
Spheron® Plated Cu Redistribution technology licensed by Flip Chip International’s (FCI)
More than 300 million units shipped

eWLB

Fan-out technology licensed by Infineon/Intel
NANIUM also has extensive volume manufacturing experience of multi-chip memory packages, combining Wafer-level RDL techniques (redistribution) with multiple die stacking in a package.

NANIUM’s large technology portfolio combined with its strong engineering know-how and experience enable new innovative MCP/SiP configurations (stacked, side-by-side, MEMS, Sensors, cPV, HB-LED Packages).
WLP – The Top Ten OSAT WLP Assemblers

Market Researcher „New Venture Research“ ranks NANIUM as Nr.3 in the „World Top Ten OSAT WLP Assemblers“ by units produced.

Source: „Chip Scale Review“
March-April 2013
FOWLP Revenues
Breakdown by application area (M$)

2010 – 2020 CAGR = 30%

Yole Developpement © October 2012
NANIUM’s differentiated value proposition

Safe and secure environment
IP protection, highest safety standards

High Quality
16 years of experience, qualified at major OEM/ IDM’s

High Volume / Cost effective manufacturing
competitive with Asian OSAT’s

High Flexibility / Complexity / Leadership
experienced in new product development & industrialization

Complete engineering service offer
highly qualified and experienced engineers

World-class facilities & equipment
Thank you for your attention

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