



HTCI

Hellenic Technology Clusters Initiative
Ελληνική Πρωτοβουλία Τεχνολογικών Συνεργατικών Σχηματισμών

Hellenic Technology Clusters Initiative

Develop Regionally – Compete Globally

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The Vision



Καινοτομία

Μέλλον

Συμπληρωματικότητα

Προϊόν

Οργανισμός

Εξέλιξη

Πρότυπα

Σχέσεις

Επικοινωνία

Συμμετοχή

Συνεργασία

Πολυγραμμικότητα

Σπείρα

Διεύρυνση

Παγκόσμιος

Κυψέλη

Ενίσχυση

Μοτίβα

Παραγωγικότητα

Στόχος

Νέοι

Πρόοδος

Ιστός

Κόμβος

Δημιουργικότητα

Βιωσιμότητα

Αναγνώριση

Κύτταρο

Σύστημα

Ενέργεια

Γνώση

Τοπικός

Πληροφορία

Τροχιά

Κίνηση

Γειτονιά

Στόχος

Εργαστήριο

Άνοδος

Φύση

Σχηματισμός

Στρατηγική

Ανάπτυξη

Θέληση

Χαρά δημιουργίας

Τεχνολογία

Δέσμη

Δυναμισμός

Δομή

Μηχανισμός

Όφελος

Πρωτοβουλία

Δράση

Πρωτοτυπία

Εφευρετικότητα

Πολυφωνικότητα

Σφαίρα

Αμφίδρομο

Κύκλωμα

Ηλεκτρονική

Ροή

Δημοκρατία

Επιστήμη

Ομάδα

Άμιλλα

Συντονισμός

Σύγχρονο

Σύγκλιση

Κύκλος

Διαδίκτυο

Δίκτυο

Διαχείριση

Διάλογος

Πολιτική

Ένωση

Διαδραστικότητα

Λύσεις

Κοινωνία

Πυρήνας

Ανταγωνισμός

Πολυπολιτισμικότητα

Καινοτομία
MADE IN GREECE

Innovation
MADE IN GREECE



Ελάτε μαζί μας στη
Χαρά της δημιουργίας

Join us in the
Joy of creation



Συναγωνιζόμαστε

Διεθνώς

Δημιουργούμε

Τοπικά

Develop

Regionally

Compete

Globally





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In Action





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A definition of ...

Innovation clusters*

“**groupings of independent undertakings** (innovative start-ups, small, medium and large undertakings as well as research organisations), operating in a **particular sector** and **region** and designed to stimulate innovative activity by promoting intensive interactions, sharing of facilities and exchange of knowledge and expertise and by contributing effectively to technology transfer, networking and information dissemination among the undertakings in the cluster.”

Cluster Initiatives (CIs)

“organised efforts to increase growth and competitiveness of clusters within a region, involving cluster firms, government and/or the research community”

** "Community Framework for State Aid for Research and Development and Innovation - 2007-2013"*



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The HTCI framework

- The Hellenic Technology Clusters Initiative (HTCI) was endorsed in April 2005 by the Ministry of Development
- **HTCI targets the establishment and development of competitive clusters in carefully selected sectors where Greece can attain in the near future a worldwide competitive advantage**
- For each thematic area, the clustering activities are implemented in phases:
 - Phase-0: Preparation Study (~6 months)
 - Phase-1: Pilot Implementation (~2 years)
 - Phase-2: Wide scale deployment (~5-7 years)



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Profile of HTCI Targeted Clusters

- Be **knowledge-driven**, focusing on **Research & Development** of new, innovative products that could generate direct or indirect revenues and/or royalties through the exploitation of their results
- Have strong **exports orientation** in order to penetrate regional, European, and World markets and boost the competitiveness of Greece in the international landscape especially since Greek market is very small to accommodate industrialization of innovative R&D
- Possess a few **success stories** of international caliber in order to credibly “lead-by-example” emerging companies as well as to convince would-be investors that there is world-class potential in Greece for this particular sector (“can-do” philosophy)
- Comprise of **mostly SMEs**, including start-ups and spin-offs, that would be pioneers in their relevant fields while at the same time would benefit most from supportive incubating activities under the cluster umbrella
- Be **cluster-oriented/inclined already**, (“bottom-up” approach rather than “top-down”) meaning that the participating members would realize the cluster dynamics as part of e.g. their value-chain operations, forming critical mass and pursuing larger projects, etc
- Strengthening and capitalizing on the already **solid base of sciences/engineering and hi-tech academic R&D** and inclination of Greek human capital



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The first pilot: Microelectronics Innovation Center





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Recently in the International Press

"Greece frames future in technology cluster – Silicon Valley blossoms in Athens suburbs:

Determined to secure a competitive regional position in an increasingly global European electronics market, Greece has launched a national technology initiative focused on semiconductors, microelectronics and embedded systems.

The Hellenic Technology Cluster Initiative, the first of its kind for Greece, was initiated and inspired by the collective vision and bottom-up efforts of a core group of private companies comprising Greece's leading semiconductor industry entrepreneurs, design houses, research institutes and university microelectronics labs.

HTCI's goal is to foster the growth of new and existing technology companies and support centers of excellence in worldclass R&D and product development, and, ultimately, to help transform Greece into an attraction for foreign investors.

The initiative is co-financed by the Hellenic Ministry of Development and by the European Union's 3rd Community Support Framework (regional development funds) under the Operational Programme 'Competitiveness'.

EETIMES europe
For the creators of technology
November 6 - 19, 2006
www.eetimes.eu

Greece frames future in technology cluster

By Richard Wallace

ATHENS — Determined to secure a competitive regional position in an increasingly global European electronics market, Greece has launched a national technology initiative focused on semiconductors, microelectronics and embedded systems. The Hellenic Technology Cluster Initiative, the first of its kind for Greece, was initiated and inspired by the collective vision and bottom-up efforts of a core group of private companies comprising Greece's leading semiconductor industry entrepreneurs, design houses, research institutes and university microelectronics labs, including the National Technical University of Athens and Patras University.

HTCI's goal, which has been endorsed and backed with government support, is to foster the growth of new and existing technology companies and support centers of excellence in world-class R&D and product development, and, ultimately, to help transform Greece into an attraction for foreign investors.

The initiative has entered its pilot phase. It has received €9.5 million (about \$12 million) for two years, with €3.75 million (about \$4.9 million) from the Ministry of Development's funds, €2.75 million (about \$3.5 million) from the European Union's 3rd Community Support Framework (regional development funds) and €3 million (\$3.75 million) in private matching funds from companies taking part in the cluster.

While global companies like Intel, Phoronics and Broadcom have a major presence in Greece, local entrepreneurs have established a viable electronics "ecosystem" based on the fabless semiconductor/design house model. The HTCI hopes to fuel national growth and technology innovation through a more Silicon Valley-like approach that puts a

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Conclusion: A collaborative effort

- Recent investments in Hellenic business sectors indicate that leading international investors are ready to venture into an **emerging and highly-rewarding market**
- GR human capital can develop the **right mindset**, the **right ingredients**, and the **right background** to sustain clustering efforts, by putting together the pieces of
 - Investment and seed-stage capital
 - human capital development
 - Marketing and branding of GR products
 - R&D partnerships
- Build partnerships for the **development and competitiveness** of sectors such as
 - Microelectronics and Embedded Systems
 - Culture and Language Technologies
 - Biotechnology and Medical Devices
 - Renewable Energy Sources



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Innovation «Made in Greece»

