



GreenTouch™



What is GreenTouch

Launched in 2010, GreenTouch is a global research consortium with the goal to deliver the architectures, specifications and technologies – and demonstrate key components – needed to increase network energy efficiency by a factor of 1000 compared to 2010 levels. GreenTouch members and the global community will benefit from:

- A reinvention of today's telecommunications networks
- Unprecedented collaboration with leading experts from around the world
- Participation in fundamental research in exciting and challenging new areas
- Access to network models and studies examining key energy related issues
- New information on network power consumption, traffic growth, and energy trends

Who is involved

GreenTouch brings together more than 58 leading organizations from 23 countries from industry, academia and research institutes to invent and deliver radical new approaches to energy efficiency that will be at the heart of sustainable networks in the decades to come. Membership is open to all interested organizations and individuals.

<http://www.greentouch.org/index.php?page=member-structure>

Potential for scale

Recent GreenTouch research indicates that existing limits to today's technology are still many orders of magnitude below the estimates of the physical and fundamental limits. The GreenTouch-led effort brings energy efficiency closer to these theoretical limits and enables a sustainable Internet, while also realizing efficient solutions to lower the carbon footprint of all other industry sectors touched directly and indirectly by ICT. This private sector-academic global research consortium offers the most focused attempt for technology breakthroughs in network energy efficiency.

Impact to date

GreenTouch has built a research portfolio around five major themes including wireline access, mobile communications, switching and routing, optical networking, and services, applications and trends. Among the large set of projects involving more than 300 participants, the Large Scale Antenna System and the Bi-PON technology have recently been showcased. See the following link for videos of the demonstrations: <http://www.greentouch.org/index.php?page=videos>

Recent news

- The GreenTouch consortium held its Members meeting and Open Forum on 5-7 June in Dallas, Texas, USA, in conjunction with the TIA 2012: Inside the Network Industry event. At the TIA Exhibits, GreenTouch showcased its LSAS and Bi-PON demonstrations.
- GreenTouch organized and sponsored a Green ICT Educational Track during the TIA Industry Event with invited speakers from industry and academia: <http://www.greentouch.org/index.php?page=greentouch-members-meeting-dallas-texas-usa-june-5-7-2012>
- GreenTouch organized with its partner GeSI a workshop during the EU Sustainable Energy Week on 20 June in Brussels, Belgium on "ICT Sustainable Networks for Sustainable Lifestyles": <http://www.greentouch.org/index.php?page=sew-2012>

More information is available at www.greentouch.org or just send an email to contact@greentouch.org for additional information and any questions.

Also follow GreenTouch on Twitter (@Green_Touch) and LinkedIn.