

## **DECLARATION ON ENERGY AND THE ECONOMY**

**WHEREAS** the oil era is coming to an end within the first half of the 21<sup>st</sup> Century; and

**WHEREAS** Climate change now imperils the planet; and

**WHEREAS** The European Union has committed its member states to a 20% reduction of Global Warming Gasses, based on 1990 levels, a 20% increase in energy efficiency, and a 20% increase in renewable energy, by the year 2020; and

**WHEREAS** The EU has yet to achieve the Lisbon agenda of becoming the world's most competitive economy; and

**WHEREAS** The EU, with its 500 million consumers and the associated partnership regions, comprises potentially the largest market in the world; and

**WHEREAS** the next step of European Union integration is the creation of a seamless communication network, electricity grid, and logistics infrastructure to create a single, unified market; and

**WHEREAS** creating the World's most sustainable and vibrant economy will require a new EU economic vision and game plan; and

**WHEREAS** the great economic revolutions in history occur when new energy regimes converge with new communication revolutions; and

**WHEREAS** Internet technology is beginning to converge with renewable energies to create a Third Industrial Revolution; and

**WHEREAS** in the 21<sup>st</sup> Century, hundreds of millions of human beings will be generating their own green energy in the homes, offices and factories, and sharing it with one another across distributed intelligent electricity networks — an Intergrid — just like they now create their own information and share it on the Internet; and

**WHEREAS** The Third Industrial Revolution will have as significant an impact in the 21<sup>st</sup> Century as the First Industrial Revolution had in the 19<sup>th</sup> Century and the Second Industrial Revolution in the 20<sup>th</sup> Century; and

**WHEREAS** The EU Parliament endorsed the Third Industrial Revolution as the long-term economic vision and development model for the member states in a formal declaration passed in June 2007; and

**WHEREAS** the five pillars of the Third Industrial Revolution are: 1) shifting to renewable energy; 2) transforming the building stock of every continent into micro-power plants to collect renewable energies onsite; 3) deploying hydrogen and other storage technologies in every building and throughout the infrastructure to store intermittent energies; 4) using Internet technology to transform the power grid of every continent into an intergrid that acts just like the Internet. When millions of buildings are generating a small amount of energy locally, onsite, they can sell surplus back to the grid and share electricity with their continental neighbors; 5) transitioning the transport fleet to electric plug in and fuel cell vehicles that can buy and sell electricity on a smart, continental interactive power grid; and

**WHEREAS** the creation of a renewable energy regime, loaded by buildings, partially stored in the form of hydrogen, distributed via smart intergrids and connected to plug in zero emission transport, opens the door to a Third Industrial Revolution; and

**WHEREAS** when these five pillars are joined together, they make up an indivisible technological platform—an emergent system, whose properties and functions are qualitatively different than the sum of its parts; and

**WHEREAS** the synergies between the pillars create a new economic paradigm that can transform the world; and

**WHEREAS** the democratization of energy fundamentally alters the power relationships in society; and

**WHEREAS** The Third Industrial Revolution favors small and medium sized businesses and cooperatives that generate their own green energy and share it peer-to-peer across regions; and

**WHEREAS** laying down a five pillar Third Industrial Revolution infrastructure will create thousands of small and medium sized enterprises and cooperatives and millions of professional, technical, skilled and semi-skilled green jobs; and

**WHEREAS** SMEs represent 99% of all companies in the EU, and are the biggest sector of the EU economy, with 23 million enterprises employing around 75 million people; and

**WHEREAS** SMEs are responsible for the creation of one in every two new jobs and produce more than half the EU's GDP; and

**WHEREAS** Europe has more than 60,000 co-operative enterprises, representing more than 123 million members; and

**WHEREAS** the European Trade Union movement, representing millions of workers, will be employed in implementing the five pillar infrastructure of the Third Industrial Revolution; and

**WHEREAS** The EU is ideally positioned among the governments of the world to make the historic transition from the sunset energies, technologies and industries of a mature Second Industrial Revolution to the sunrise energies, technologies and industries of an emerging Third Industrial Revolution; and

**WHEREAS** The European Commission is pursuing many of the components that make up the five pillars of the Third Industrial Revolution, it has yet to create a comprehensive plan by which a Third Industrial Revolution infrastructure could be laid out across the EU; and

**NOW, BE IT RESOLVED THEREFORE** that Members of the European Parliament call upon the European Commission to submit to the Parliament a comprehensive legislative plan for the implementation of a Third Industrial Revolution Infrastructure in the member states; and

**NOW, BE IT RESOLVED THEREFORE** that the Members of the European Commission each submit legislative initiatives to integrate and harmonize their own policies, programs and initiatives within the larger, overarching agenda of transitioning into a post-carbon Third Industrial Revolution economy.