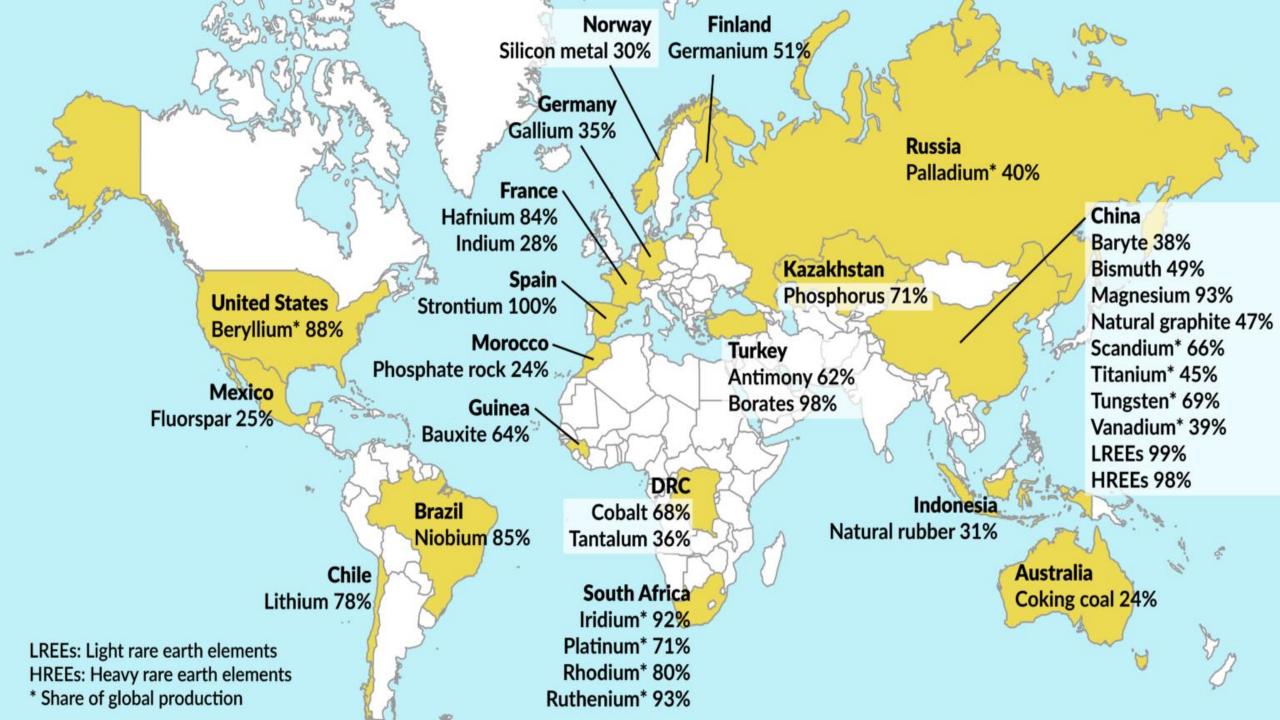
Augsta līmeņa ekspertu konference

"Latvijas ilgtspēja: vide, cilvēks, ekonomika. Kurp ejam?"

Roberts Zīle, Eiropas Parlamenta viceprezidents

«Eiropas Savienībai 10 gadu laikā jākļūst par konkurētspējīgāko un dinamiskāko uz zināšanām balstīto ekonomiku pasaulē, kas ir spējīga uz ilgtspējīgu ekonomisko kāpumu, vairāk un labākām darba vietām un ciešāku sociālo saliedētību.»

Lisabonas stratēģija, 2000.gads



Manufacturing facilities of wind OEMs in the EU28 according to wind turbine component produced

Nacelle Assembly

Blades & Generators

Hubs & Shafts

Bearings

Foundry

Foundations

WIND TURBINE COMPONENTS

Generators

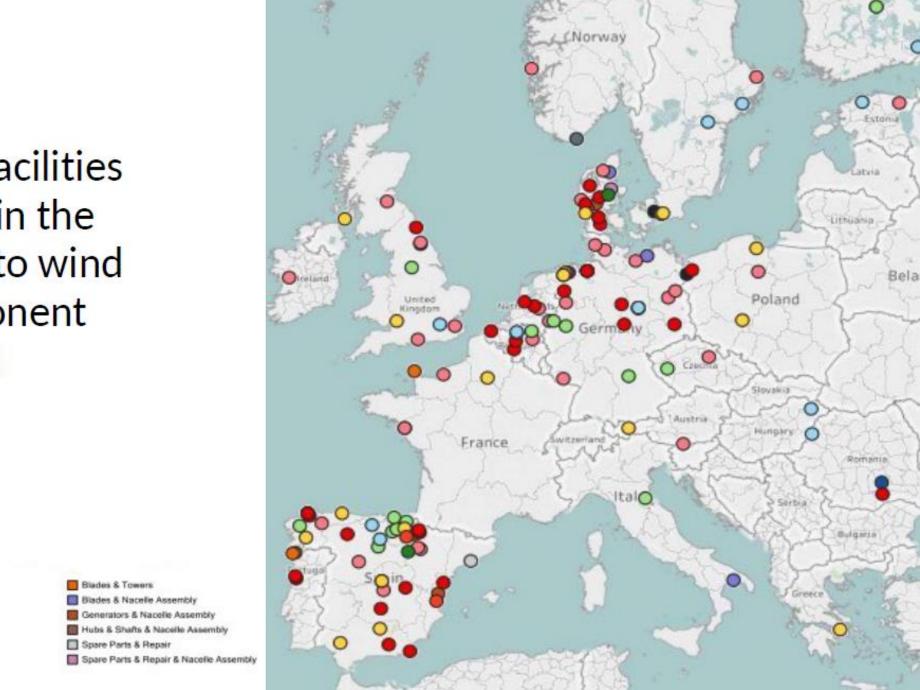
Towers

Blades

Gearboxes

Power converters

Control systems



Finland

List of 10 critical technology areas for the EU's economic security

	List of 10 critical technology areas for the EU's economic security				
	Technology Area	Technologies* *The technologies listed for each area are a likely focal point for risk assessment but are not exhaustive			
1.	ADVANCED SEMICONDUCTORS TECHNOLOGIES	 Microelectronics, including processors Photonics (including high energy laser) technologies High frequency chips Semiconductor manufacturing equipment at very advanced node sizes 			
2.	ARTIFICIAL INTELLIGENCE TECHNOLOGIES	 High Performance Computing Cloud and edge computing Data analytics technologies Computer vision, language processing, object recognition 			
3.	QUANTUM TECHNOLOGIES	 Quantum computing Quantum cryptography Quantum communications Quantum sensing and radar 			
	BIOTECHNOLOGIES	 Techniques of genetic modification New genomic techniques Gene-drive Synthetic biology 			
	ADVANCED CONNECTIVITY, NAVIGATION AND DIGITAL TECHNOLOGIES	 Secure digital communications and connectivity, such as RAN & Open RAN (Radio Access Network) and 6G Cyber security technologies incl. cyber-surveillance, security and intrusion systems, digital forensics Internet of Things and Virtual Reality Distributed ledger and digital identity technologies Guidance, navigation and control technologies, including avionics and marine positioning 			
5.	ADVANCED SENSING TECHNOLOGIES	 Electro-optical, radar, chemical, biological, radiation and distributed sensing Magnetometers, magnetic gradiometers Underwater electric field sensors Gravity meters and gradiometers 			

7.	SPACE & PROPULSION TECHNOLOGIES	 Dedicated space-focused technologies, ranging from component to system level Space surveillance and Earth observation technologies Space positioning, navigation and timing (PNT) Secure communications including Low Earth Orbit (LEO) connectivity Propulsion technologies, including hypersonics and components for military use
8.	ENERGY TECHNOLOGIES	 Nuclear fusion technologies, reactors and power generation, radiological conversion/enrichment/recycling technologies Hydrogen and new fuels Net-zero technologies, including photovoltaics Smart grids and energy storage, batteries
9.	ROBOTICS AND AUTONOMOUS SYSTEMS	 Drones and vehicles (air, land, surface and underwater) Robots and robot-controlled precision systems Exoskeletons AI-enabled systems
10.	ADVANCED MATERIALS, MANUFACTURING AND RECYCLING TECHNOLOGIES	 Technologies for nanomaterials, smart materials, advanced ceramic materials, stealth materials, safe and sustainable by design materials Additive manufacturing, including in the field Digital controlled micro-precision manufacturing and small-scale laser machining/welding Technologies for extraction, processing and recycling of critical raw materials (including hydrometallurgical extraction, bioleaching, nanotechnology-based filtration, electrochemical processing and black mass)