



- 1 Human-Level AI for Digital Customer Experience**  
*Design the next generation of assistants that listen, feel, and solve before you ask.*
- 2 AI Driven Services - For Orange and our Customers**  
*Build applications that transform operations, cities, and daily lives.*
- 3 Reimagining Shopping with Tech-Enhanced Retail Journeys**  
*Smart, seamless, sensory - design the future store experience.*
- 4 Create Home Services That Families Will Love**  
*From Wi-Fi to digital wellbeing - invent what's next in everyday life.*
- 5 Design an Effective Model for Creating Disruptive Innovations**  
*Design tools, models, and fast testbeds to accelerate real change.*
- 6 Teach Machines to See the World Better**  
*Develop vision algorithms that support cities, factories and beyond.*
- 7 Develop Solutions for Cyber Defense and Resilient Services**  
*Support digital transformation with sovereign technology.*

**1 Shaping Youth Media Habits through Science-Based Engagement Models**

*Co-develop solutions to engage young audiences with verified content across RASP's platforms.*

**2 Real-Time User Feedback for Media Innovation Testing**

*Create methods that instantly track audience reaction to new digital features and formats.*

**3 Smart Add-On Services Beyond Journalism**

*Co-design and scale daily-use services that improve life - powered by RASP's media reach.*

**4 Big Data, Bigger Questions: Unlocking Media Behavior Insights**

*Use one of the largest behavior data sets in Poland to explore new scientific frontiers.*

**5 Designing Deeper Journalist-Audience Interactions**

*Invent tools that help journalists build deeper bonds with readers and co-create more impactful reporting.*



- 1 Ashes Reimagined: Building Materials for a Post-Carbon Era**  
*Co-develop safe, scalable and eco-efficient solutions to transform industrial ashes into high-performance components for roads and construction.*
- 2 Harvesting Hidden Heat: From Rivers, Industrial Processes, Data Centers and Sewers to Urban Energy**  
*Co-develop scalable, low-emission systems to recover ambient and wastewater heat and integrate it into local district heating networks.*
- 3 Smart Water Systems: Detect Leaks and Predict Risks with AI**  
*Co-develop intelligent platforms that monitor, analyze and forecast water quality and network anomalies in real time.*
- 4 Wastewater Residues Reinvented: Fertilizers for a Circular Future**  
*Develop scalable, safe and resource-efficient technologies to transform sewage sludge into agricultural nutrients or renewable energy.*
- 5 Boosting Efficiency: Smarter Energy for Industrial Processes**  
*Co-develop robust, energy-saving solutions to augment the energy efficiency of technological processes, thereby minimizing environmental impact and maximizing productivity.*

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## **1 Rethink Electronics for a Sustainable Future**

*Design the next generation of recyclable PCB materials to power long-lasting, eco-friendly electronics.*

## **2 Grow the Grid - With Bio-Based Insulation for Electrification**

*Redesign insulation for the energy future using sustainable, bio-derived materials that don't compete with food or farmland.*

## **3 Print Stronger, Smarter - High-Performance Resins for Electrification**

*Reinvent additive manufacturing with UV-cured resins built for thermal, mechanical, and electrical excellence.*

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## **1 Innovating Recycling for Next-Gen Wood-Based Boards**

*Turn production waste and new non-wood recyclables into high-quality raw materials.*

## **2 Bio-Based Resins for Greener Board Production**

*Develop low-emission, cost-effective binders using lignin, tannins and other natural materials.*

## **3 Capturing CO<sub>2</sub> and Converting It into Bio-Methanol On Site**

*Adjust carbon capture tech to Kronospan's production lines and explore added-value reuse.*

## **4 AI Models for Smarter Energy Use in Board Manufacturing**

*Design predictive systems to monitor, plan and reduce energy consumption at the plant level.*

## **5 Beyond Furniture: Expanding the Use Possibilities of Wood-Based Boards**

*Co-develop functional applications for existing panel products in new sectors.*

## **6 Next-Gen Panel Surfaces: From Antibacterial to Self-Cleaning**

*Engineer smart coatings and textures that add value, hygiene and natural aesthetics.*

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## **1 Boosting Clinical Trial Access with Real-World Patient Data**

*Co-develop smart tools to connect eligible patients with trials through data-driven site selection and inclusive recruitment strategies.*

## **2 Designing Synthetic Control Arms for Faster, Smarter Trials**

*Use real-world evidence to build virtual comparators that reduce patient burden and accelerate clinical research.*

## **3 AI Innovation for Smarter Workflows in HR, Finance and Support Functions**

*Co-create internal solutions that reduce routine workload, enhance team efficiency and support better decision-making.*

## **4 Intelligent Automation for Resilient and Self-Monitoring Manufacturing**

*Design AI-driven quality control systems that reduce manual checks and waste in critical production scenarios.*



## **1 True Cost of Disease: Building Robust Societal Cost Models**

*Co-develop trusted models to quantify the full cost of disease, including social and economic burden.*

## **2 Health Data Access that Unlocks Medical Innovation**

*Design an effective, trusted model for sharing clinical data to spark medical innovation from Poland.*

## **3 Enable Home Care with Remote Patient Monitoring Solutions**

*Engineer tools to monitor patients in home settings to allow physicians to treat them effectively and conveniently.*

## **4 Decision-Support Algorithms with Therapeutic Intelligence**

*Create tools that aid doctors in real time while opening new, evidence-based therapeutic pathways.*





## **1 Augmented Imaging: Faster, Smarter Diagnoses by Design**

*Develop AI-powered systems to support radiology workflows by generating accurate, readable image reports for clinical validation.*

## **2 Always On: Seamless Remote Monitoring for Everyday Health**

*Co-develop integrated RPM solutions that collect, interpret, and act on data from wearables to support chronic care - anytime, anywhere.*

## **3 Smart Care Capacity: Predict, Plan and Provide Without Gaps**

*Design ML-driven models to optimize medical staffing based on patient demand forecasts, medical trends and real-world conditions.*

## **4 Less Clicks, More Care: Smarter Workflows for Smarter Decisions**

*Co-create tools that summarize patient history, collect pre-visit inputs and reduce admin load - so doctors focus on healing, not hunting data.*

## **5 Occupational Medicine Reimagined: From Paperwork to Predictive Protection**

*Design smart, fully digital workflows for employer-funded medical exams to replace redundant paperwork with early risk detection and workplace health insights.*

## **6 Predict, Prevent, Notify: School Medicine as a National Early-Warning System**

*Turn routine child health checkups into predictive models of future disease burden, enabling early state intervention and automatic alerts for parents through integrated digital channels.*

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