

Our expertise

- Digitalization: Successful implementation of projects
- Artificial intelligence (AI): Increasing efficiency through intelligent algorithms
- Process optimization: Improving production processes
- Data analysis: gaining valuable insights from extensive amounts of data



Our unique nonwovens plant

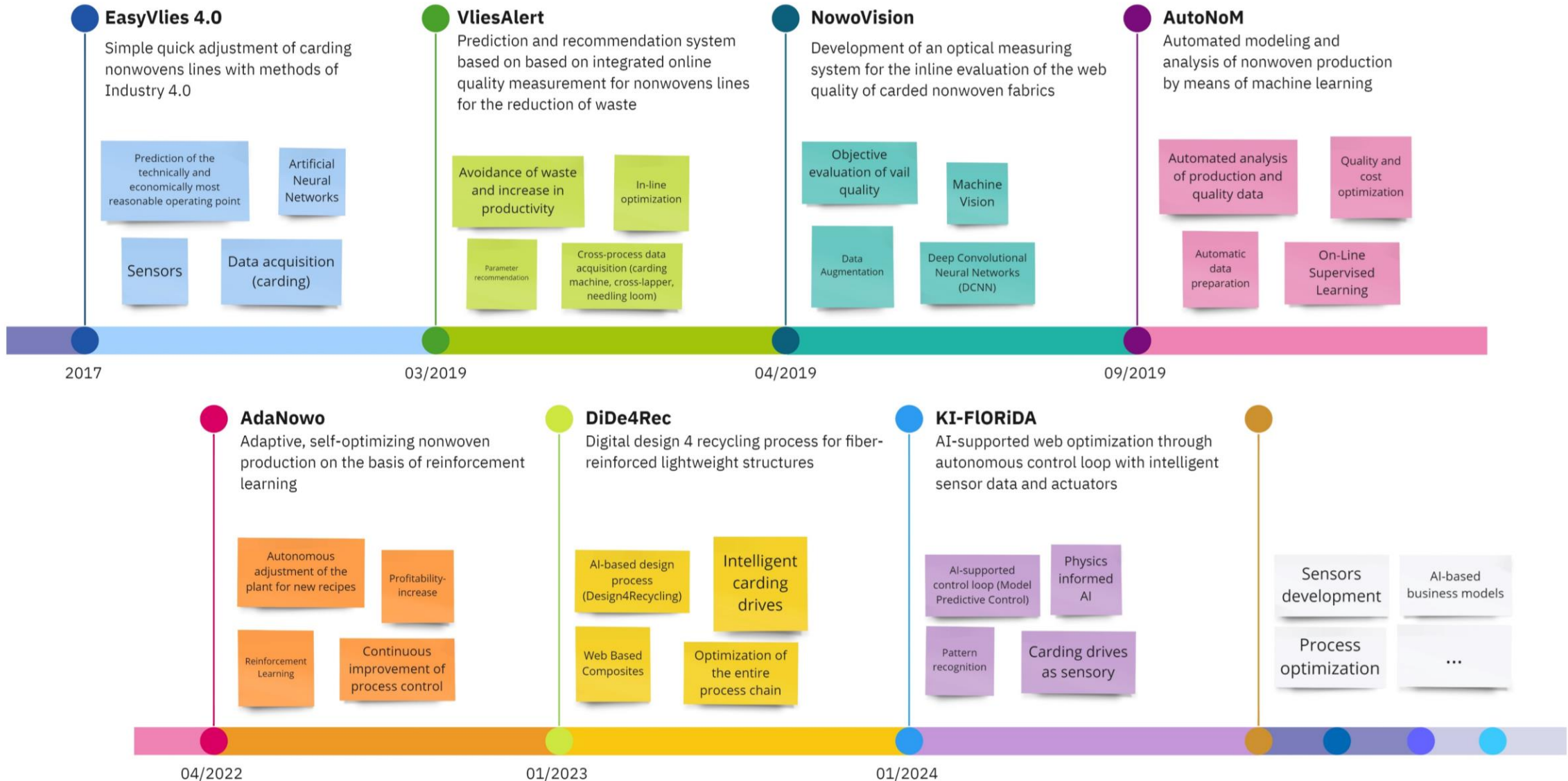
- Industrial scale: scaling options to meet your needs
- State-of-the-art sensor technology: Precise measurements and tests
- Innovation platform: develop and test new technologies
- Customized solutions: Adaptable to your specific needs

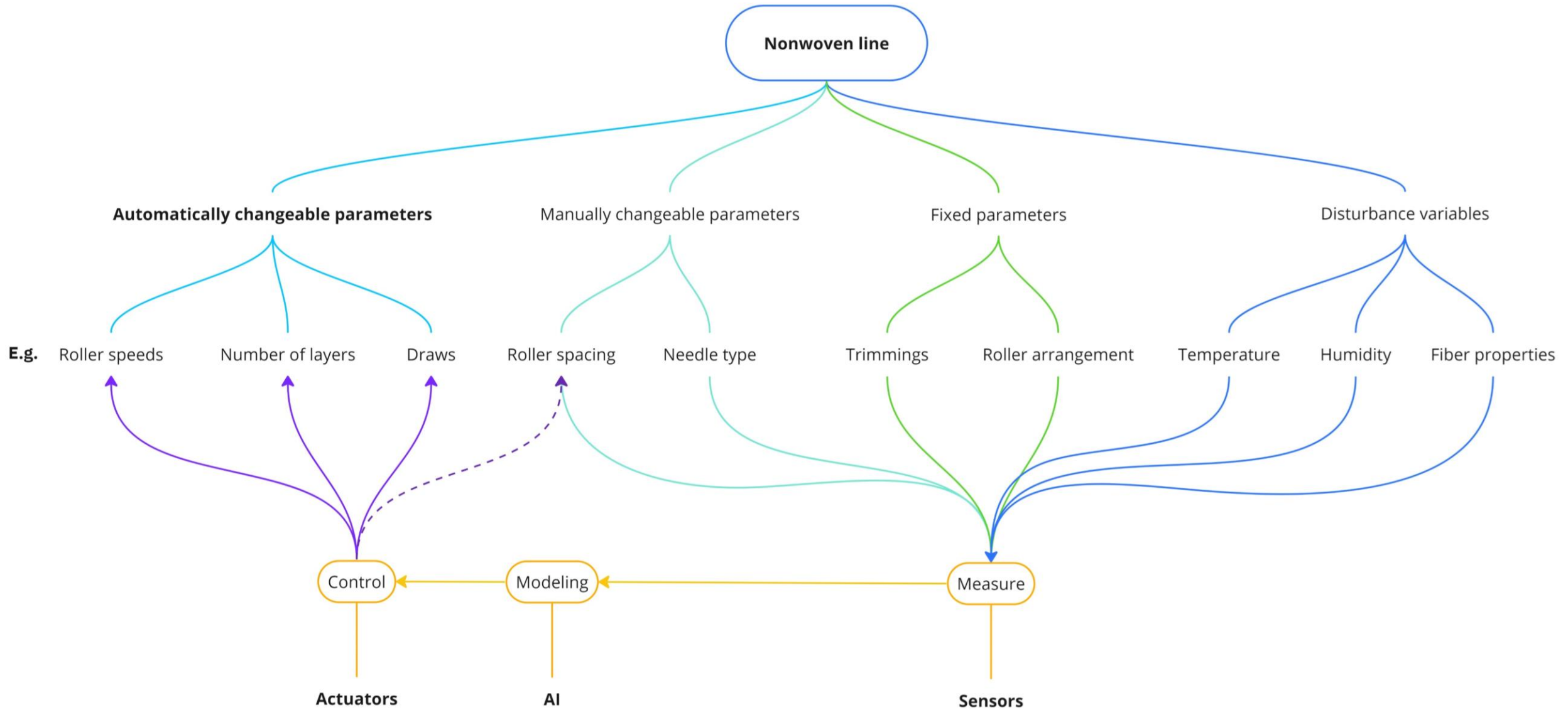


Collaboration and added value

- Partnerships: Joint projects with companies and research institutions
- Synergies: Linking textile technology and digitalization
- Competitive advantages: More efficient processes and improved product quality
- Future prospects: Potential for innovations and technology development







Nonwoven fabric quality and production parameters	Measure	Intervention options	Digitization approach
Vail quality	Human (subjective) Camera	Roller speeds, Roller spacings	AI-based voil evaluation, Carding control
Area weight (Weight uniformity)	Radiometric detection	Licker in / feeder, Chute feed	Sensor technology for feed (measurement across width), Monitoring of fiber transport units, Control and automation
Thickness (Thickness uniformity)	Laser detection	Drafting system, Needleloom	Automation and control
Fiber distribution (Mixture)	Radiometric detection, Optical detection, Thermography	Chute feed, Opening systems, Roller speeds, Roller spacings	Mixture sensoric, Automation and Control
Energy consumption	Current measurement	Complete plant	Recipe optimization, Smart consumption management
Material consumption	Radiometric detection, Optical detection	Licker in / feeder, Improvement of uniformity	Automation and control, Recipe optimization