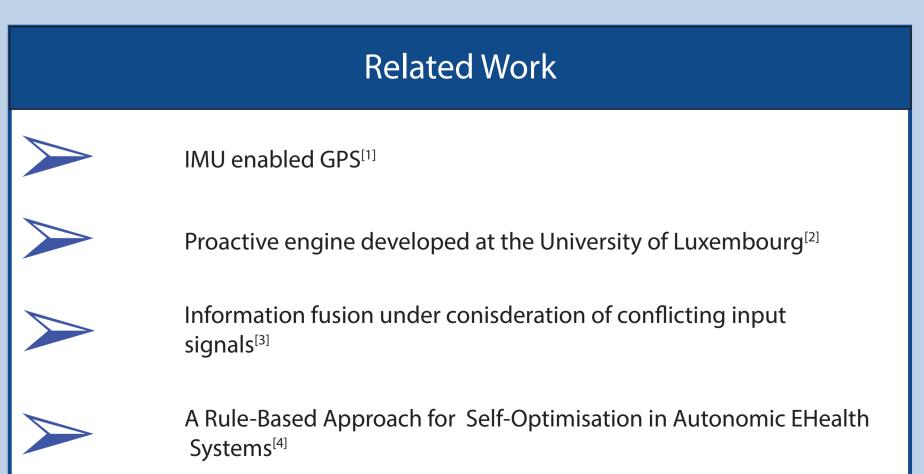


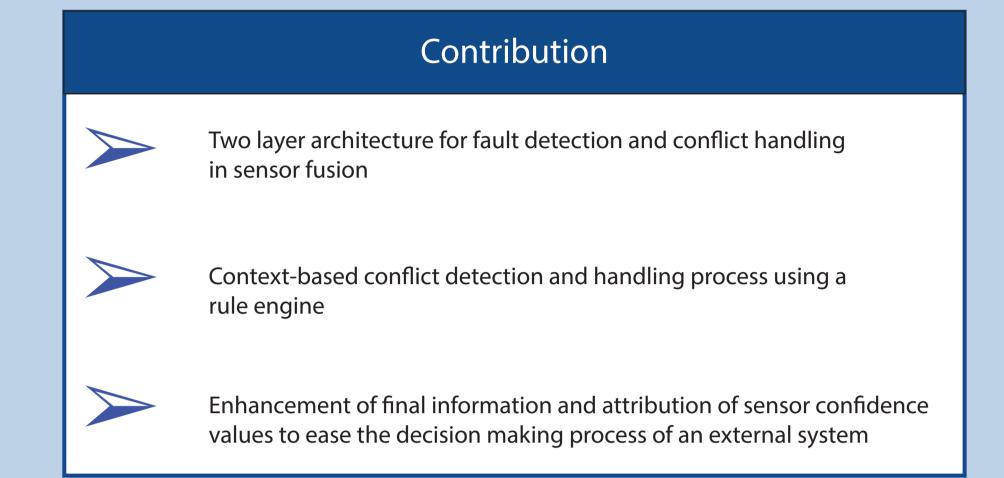
Proactive Middleware for Fault Detection and Advanced Conflict Handling in Sensor Fusion

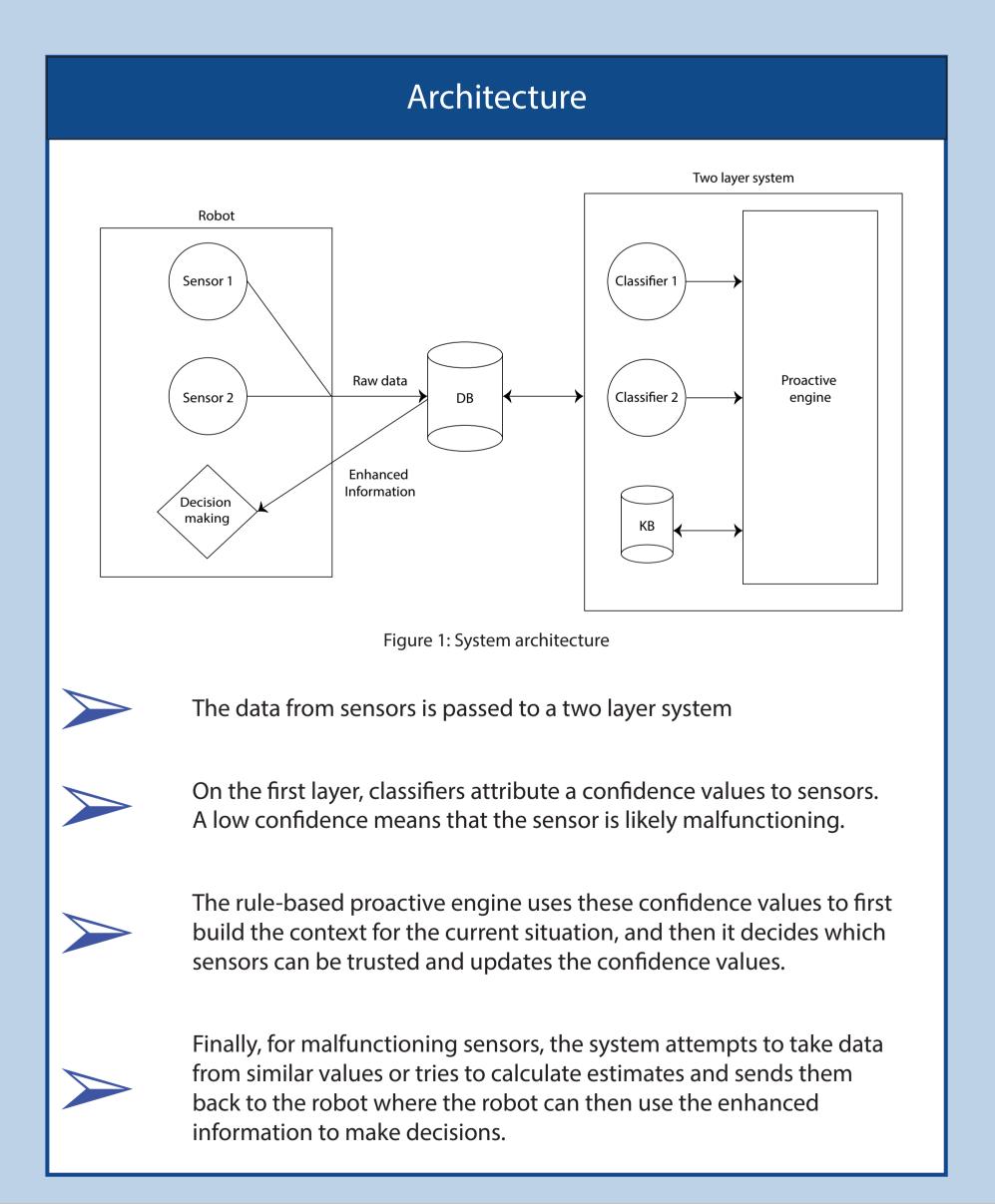


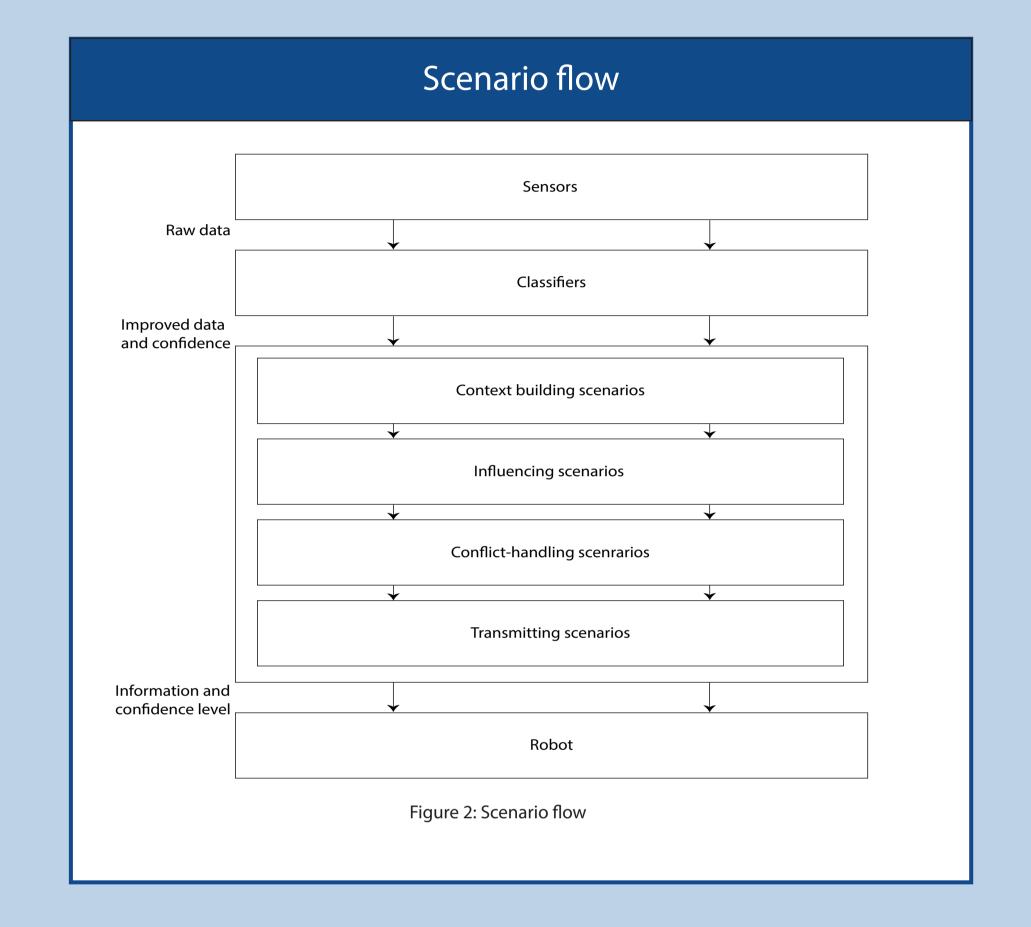
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Problem statement Sensor fusion used in robotics systems and other IT systems to combine data coming from different sensors Also used to reduce the uncertainty the information would have Existing solutions try to reduce the noise in the sensor, even the one that is caused by external factors External factors that cause noise for some sensors are often Context of the system could be used to identify situations in which some sensors malfunction Using this knowledge, the system could try to circumvent failing or malfunctioning sensors and calculate estimates based on other sensors









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