

Flow Studio

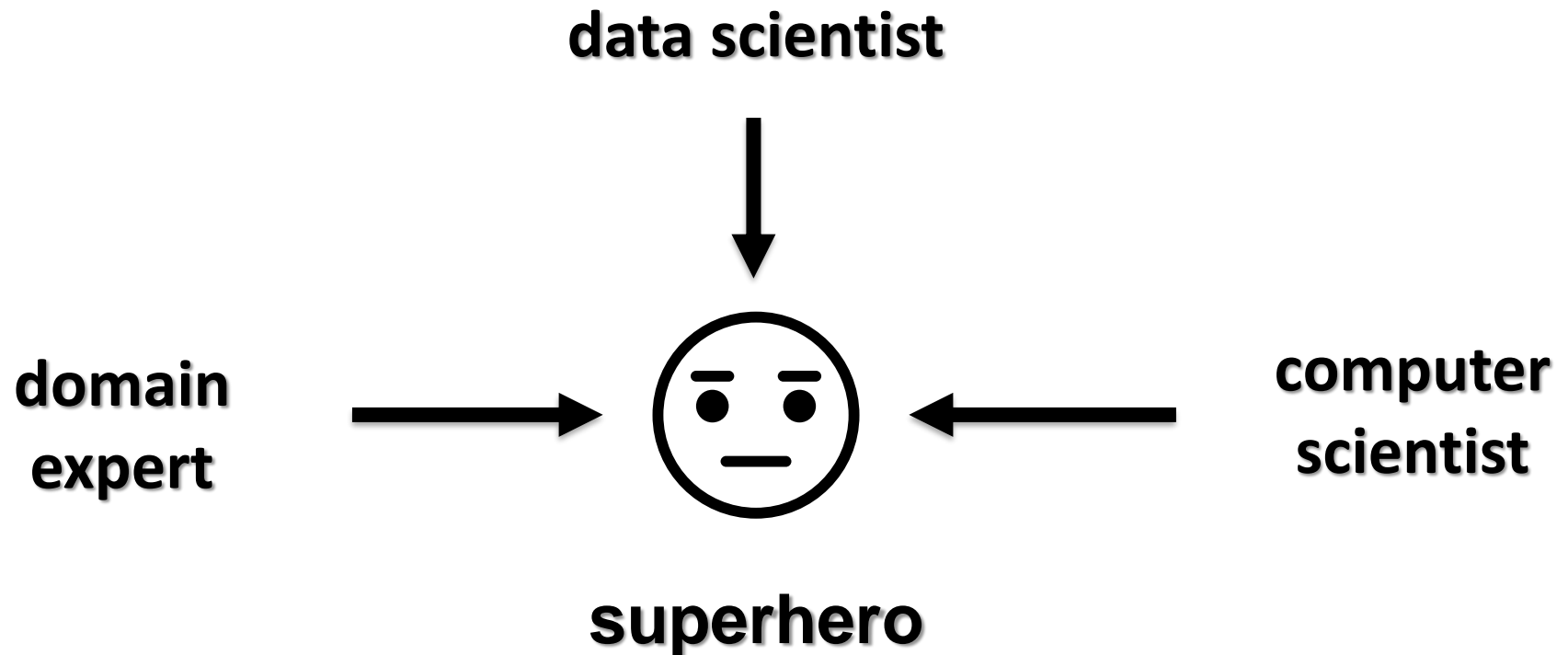
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Microservices 2019

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Universität Kassel

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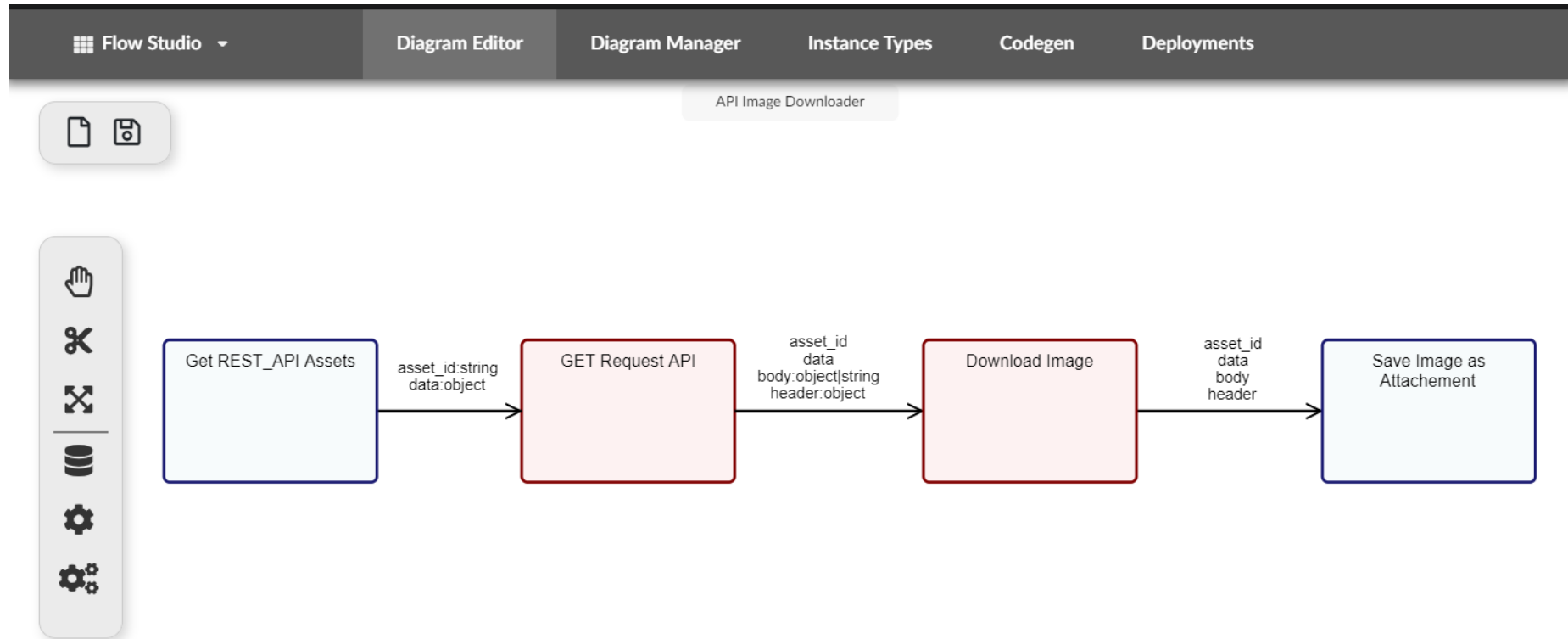
Need for special experts



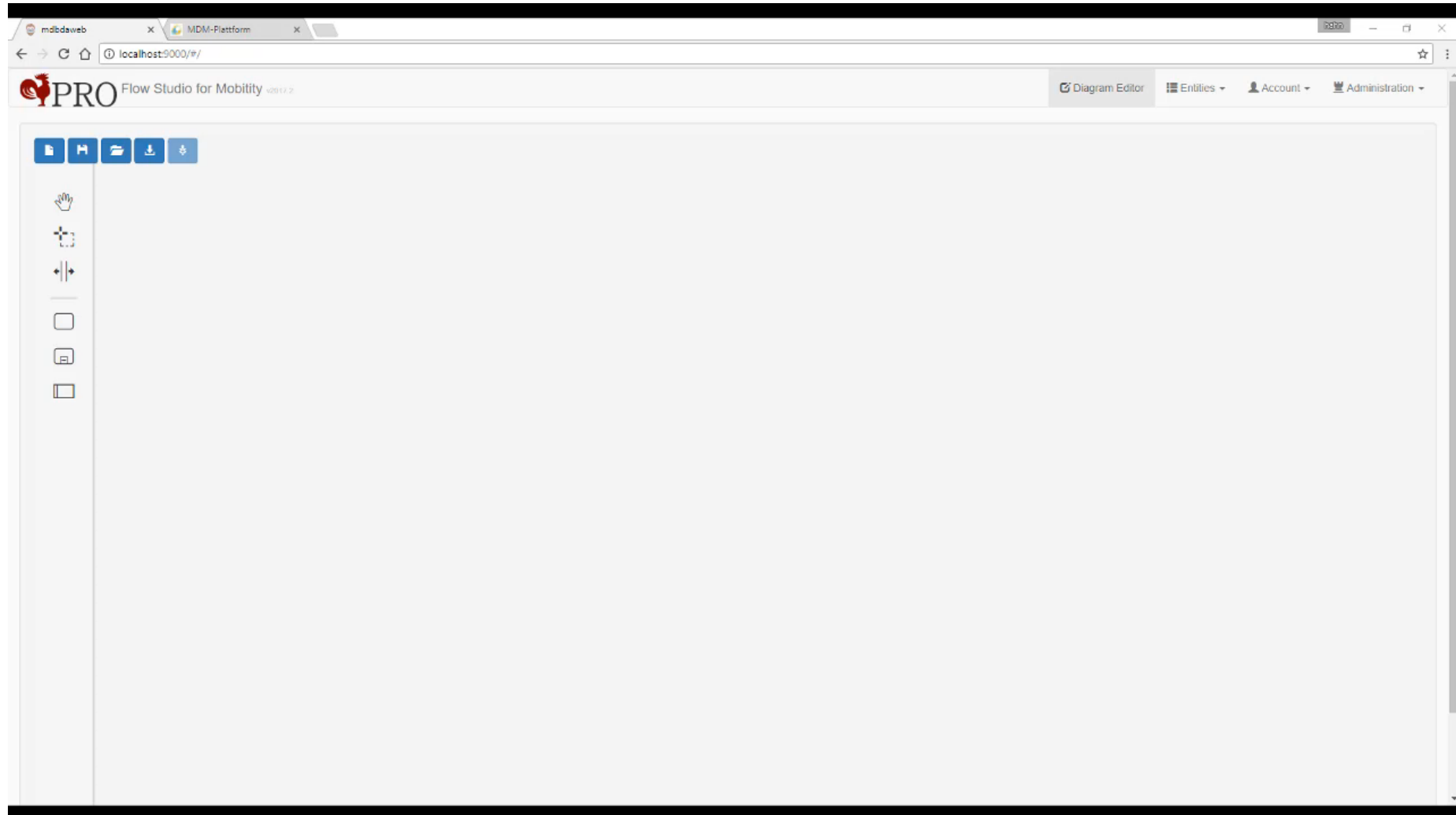
What we need

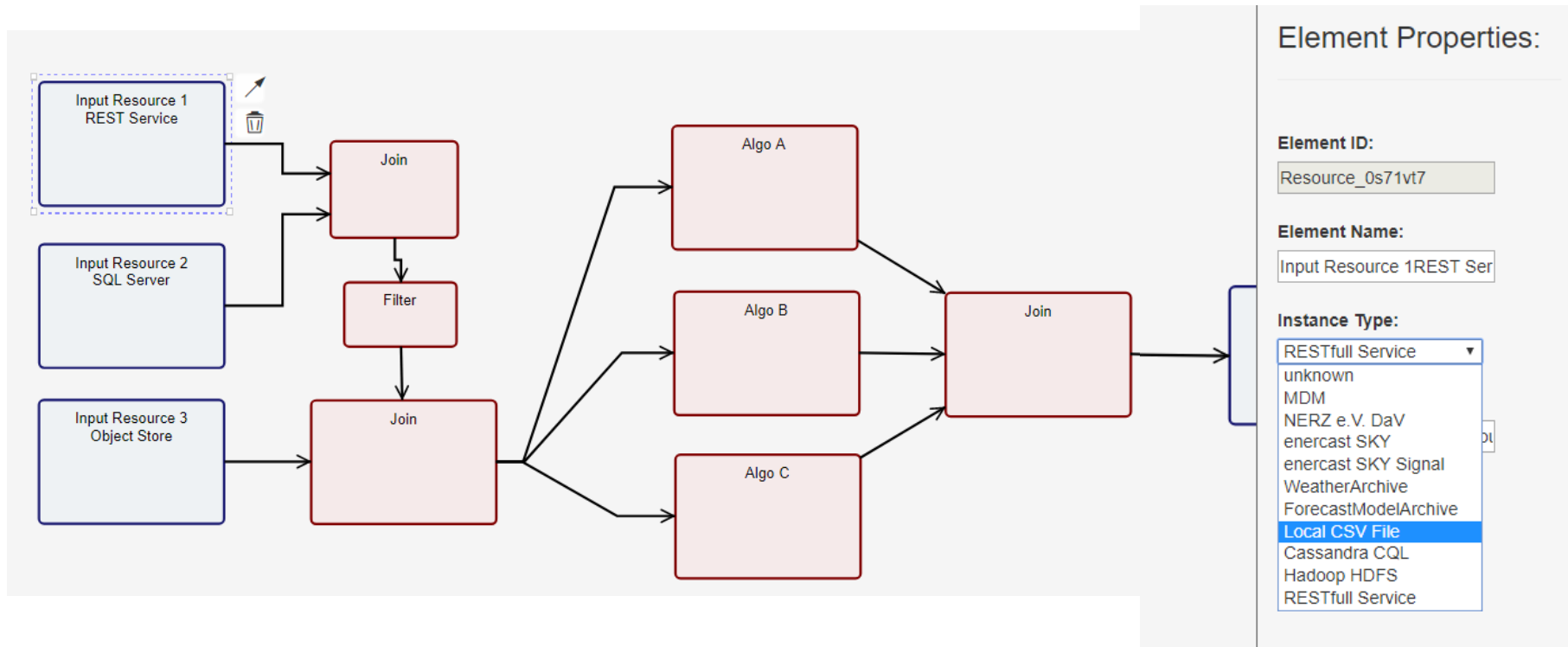
- **Web-based development environment**
 - Easy to maintain, collaborative work
- **Domain-Specific**
 - Customizable for every expert
- **Clearly arranged & easy to operate**
 - Modeling instead of programming
- **Runtime platform independent**
- **Integrable**

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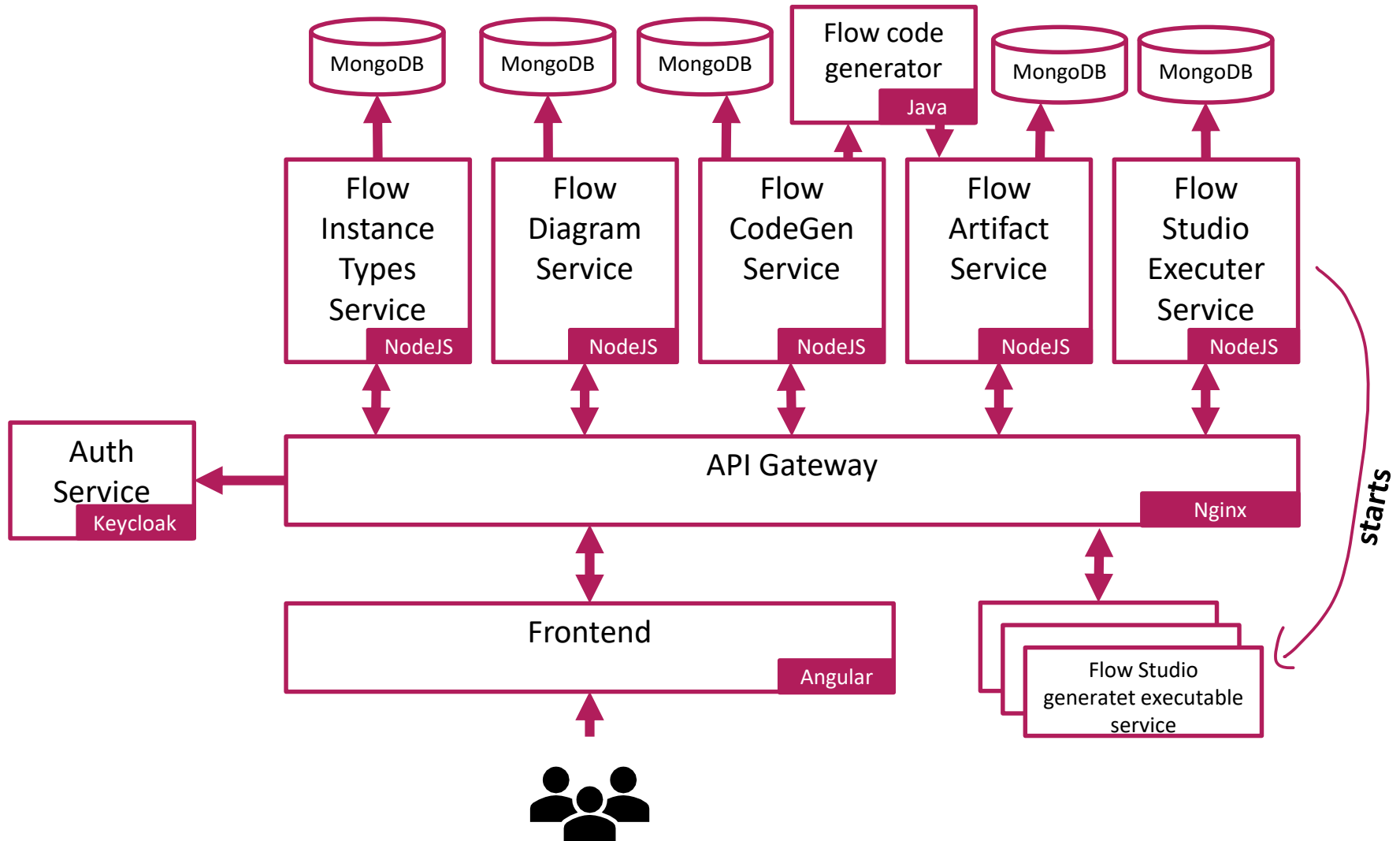


Domain-Specific Modelling



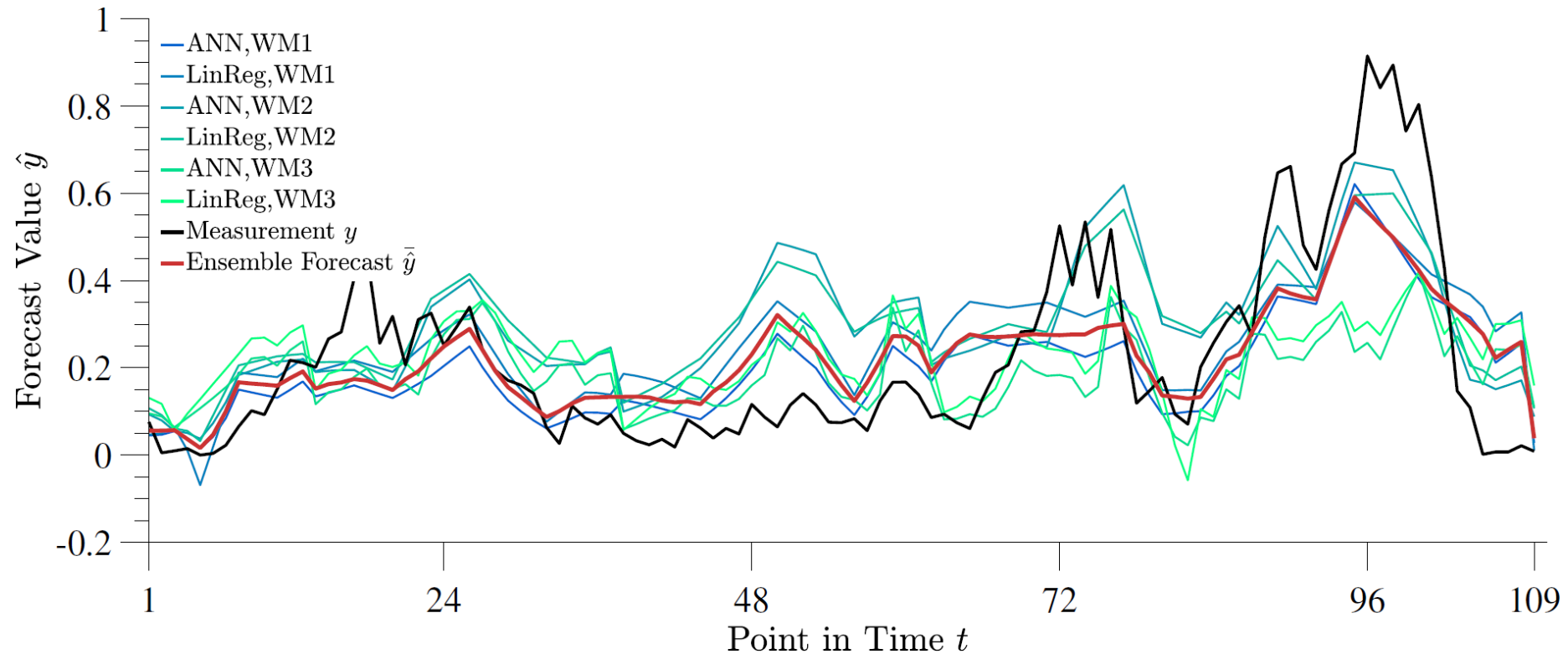


Architecture

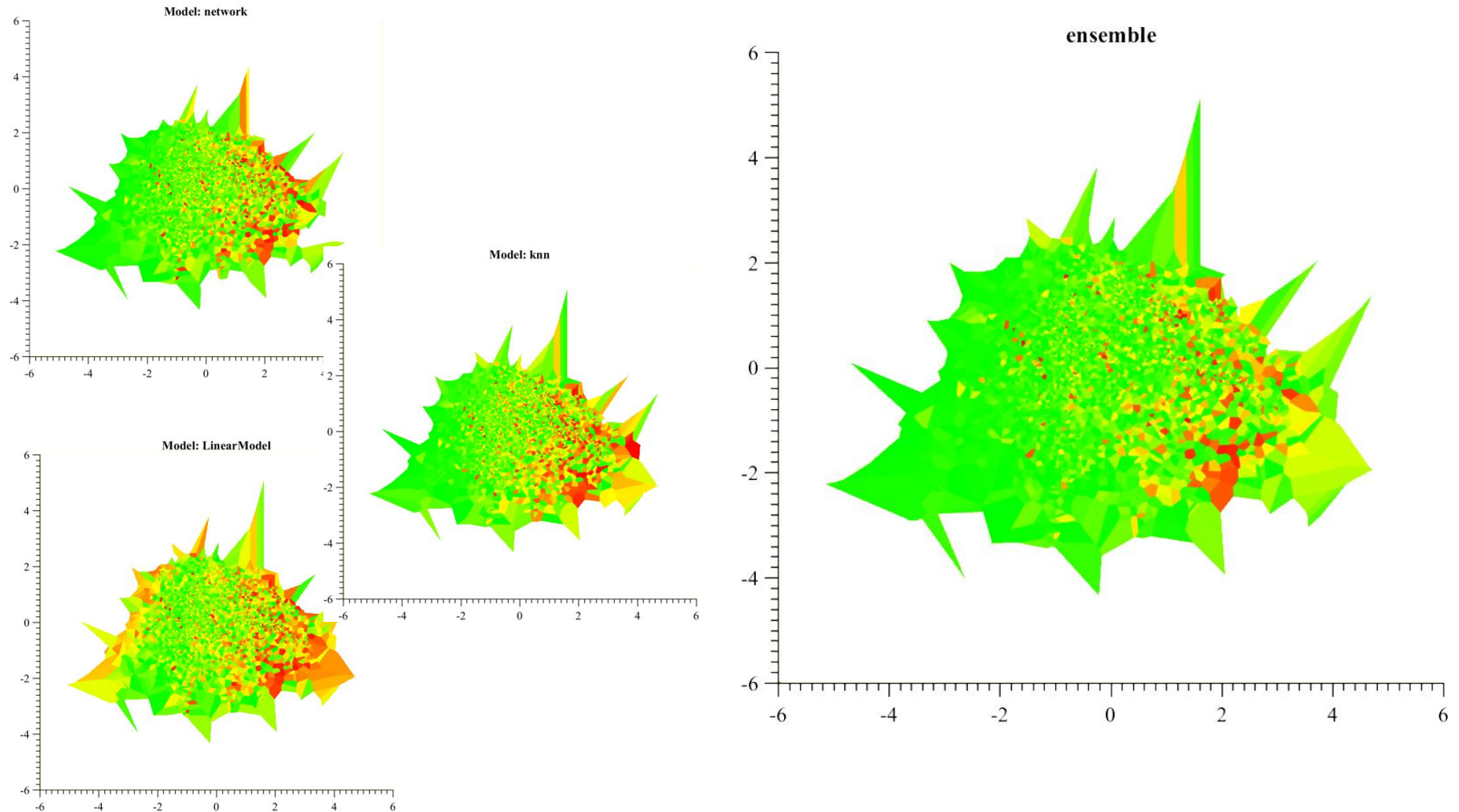


Use case: Big Energy

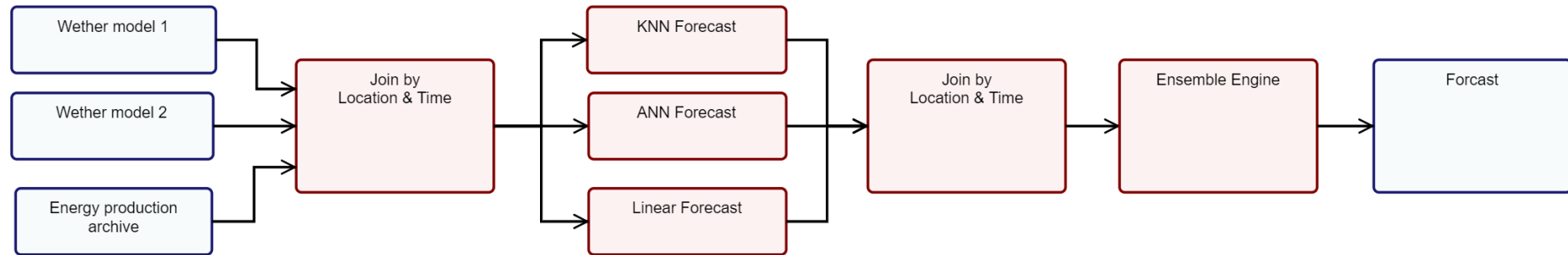
Improvement of renewable energy forecast



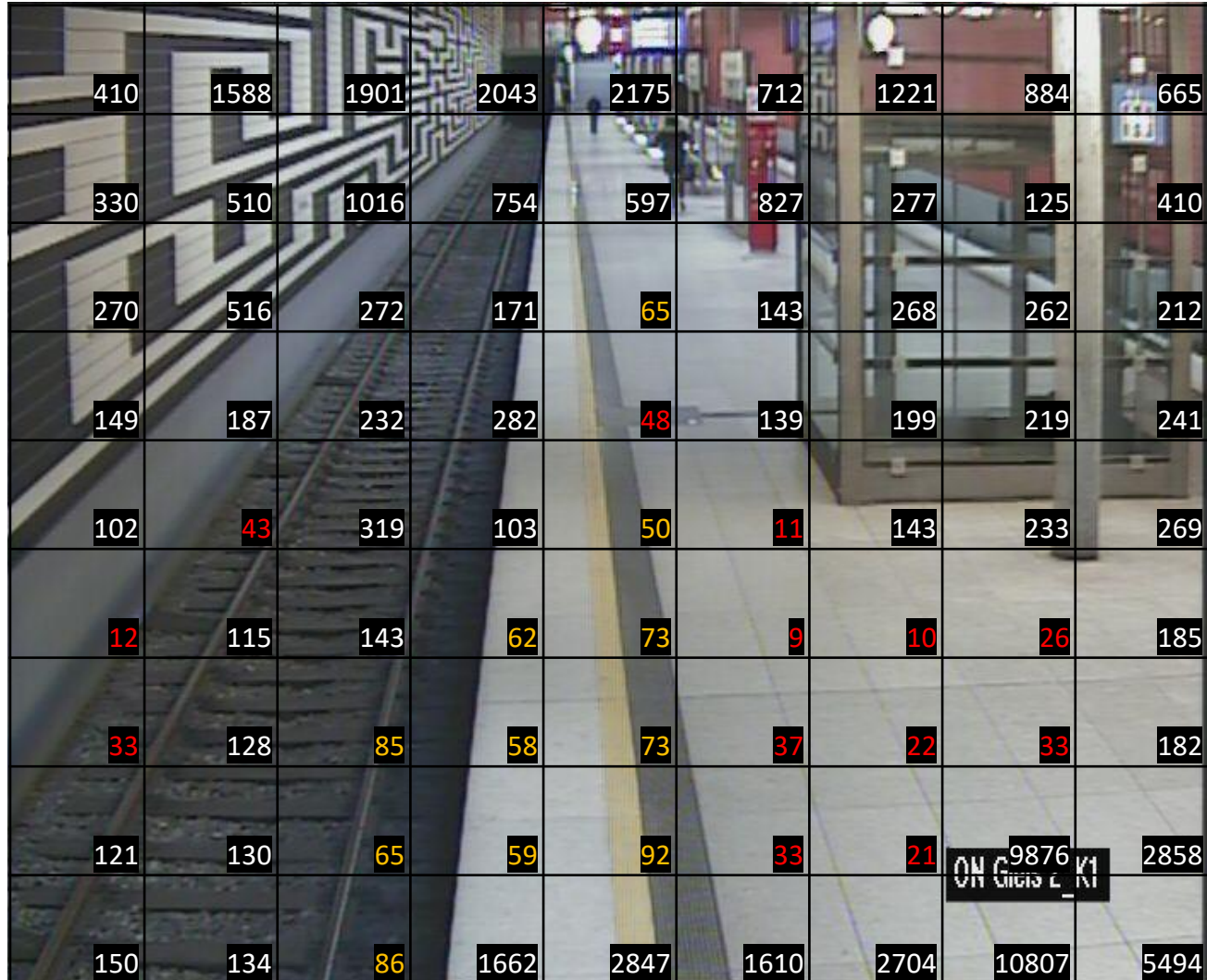
PCA of different forecast methods



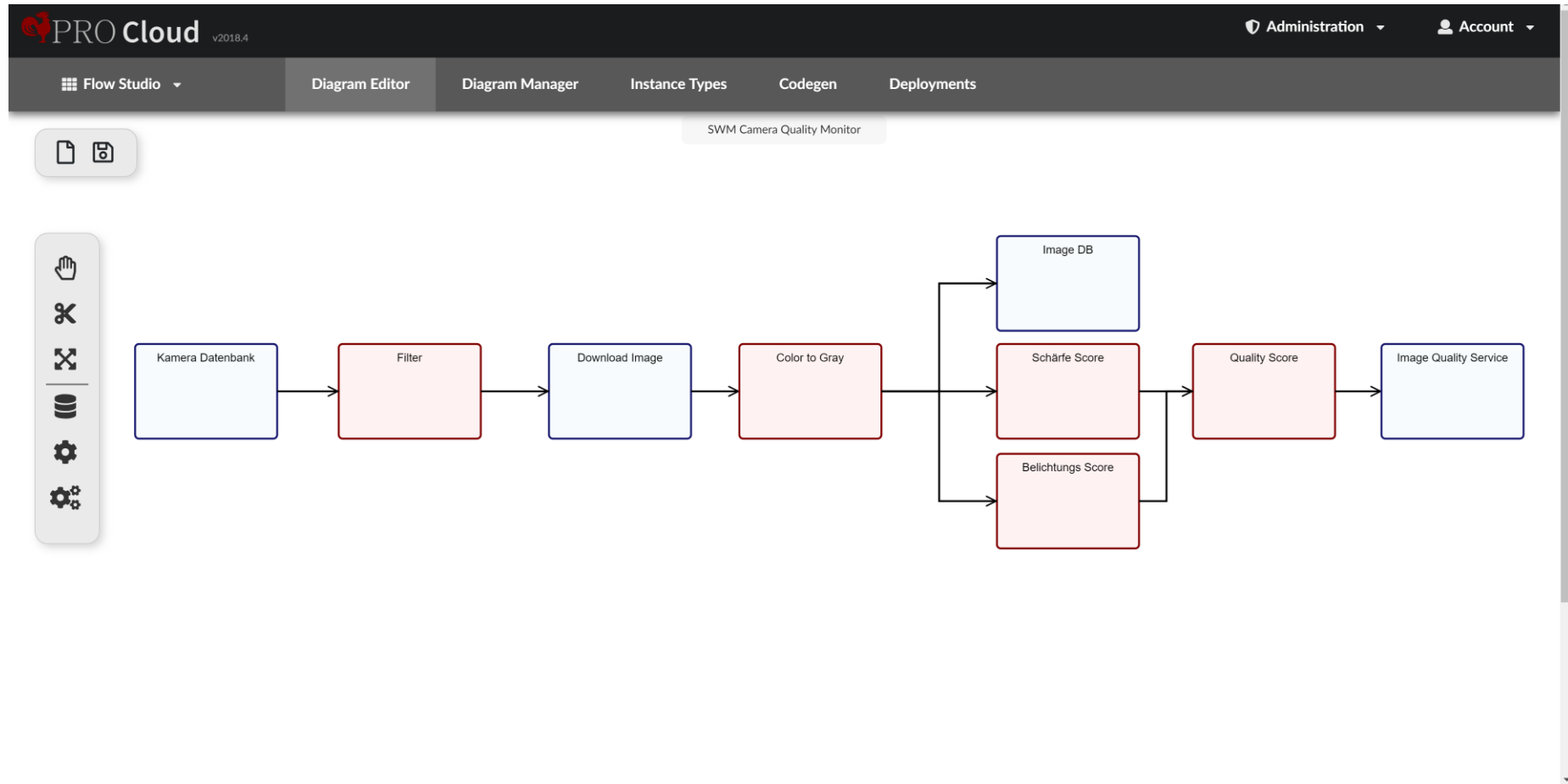
Big Energy forecast Flow



Use case: Camera image quality



Use case: Camera image quality



More use cases

- **Digital Twins**
- **Production Optimization**
- **Predictive Maintenance**
- **Traffic and Logistics**
- **Quality Monitoring**
- ...

Outlook



**domain
expert**

&

**Flow
Studio**



superhero

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