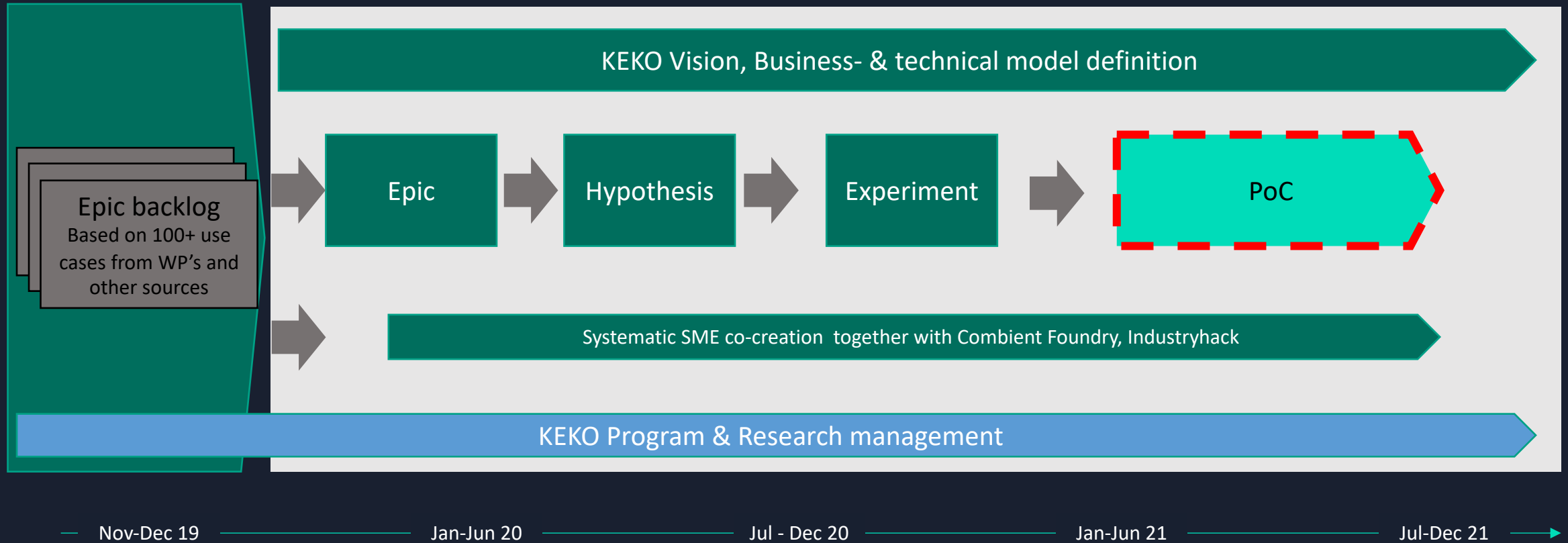


5G experimentations in KEKO construction PoC

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From End user needs to Proof of concepts



5G experimentations in KEKO construction PoC



1. Construction site digital infrastructure

- KEKO Box installed in the elevator shaft providing connectivity, edge computing and elevator control
- Wirepas wireless mesh network for location tracking and sensing
- RFID readers in elevator and lobby
- KEPPI instance in AWS for storing and sharing data via APIs



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2. Equipment tracking

- Finding tools on site utilizing active location trackers
- Tracking tool deliveries from and back to rental company
- Reports of tool usage rate



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- Special focus in quartz dust causing occupational diseases in construction



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YIT Tampereen Rantaraitti
Three 8 floor residential buildings

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- Comparisons of as-built scanned model to as-designed BIM



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7. Elevator UX for construction

- Helping workers and foremen use elevator more efficiently and conveniently during construction





The KEKO ecosystem is a global
standard for smart building platforms.