

## User-Centred Energy Systems Technology Collaboration Programme

### TCP DAY AGENDA

Thursday 30<sup>th</sup> November 2023

#### Joint workshop with TU Delft on Energy Hubs

(Meeting Room: EEMCS-Lecture Hall Ampere, 36.HB.01.670) [Technical University of Delft](#))

13h45	<p>13:45 - Welcome from TU Delft</p> <p>13:50 - Introduction to the workshop on the 'implementation science' research requirements for energy hubs.</p> <p>14:00 - Energy Hubs in the energy transition: centres of cross-vector integration and seasonal storage.</p> <p>14:15 - Energy Hub case studies from the Netherlands: Amsterdam: residential/commercial and Rotterdam: industrial</p> <p>14:45 - Panel session: Key energy hub implementation challenges: social acceptance, project deliverability and Operational resilience. A moderated panel session with three 'provocations' briefly outlining the challenges in the three areas above. Panel speaker gets two minutes to outline their key points followed by a moderated discussion.</p> <ul style="list-style-type: none"> <li>. Design for engagement</li> <li>. Design for deliverability</li> <li>. Design for resilient operation</li> </ul> <p>15:15 - Tea and coffee</p> <p>15:35 - Breakout groups on de-risking delivery: Implementation R&amp;D challenges and emerging solutions. (Agile research methods; digital twins; living laboratories; risks and roles of AI; etc)</p> <p>16:05 - Feedback from groups</p> <p>16:20 - Panel discussion</p> <p>16:50 - Session summary and next steps</p> <p>17:00 - Close</p>
17h00	<p><b>Networking Event (until 18h00)</b></p>