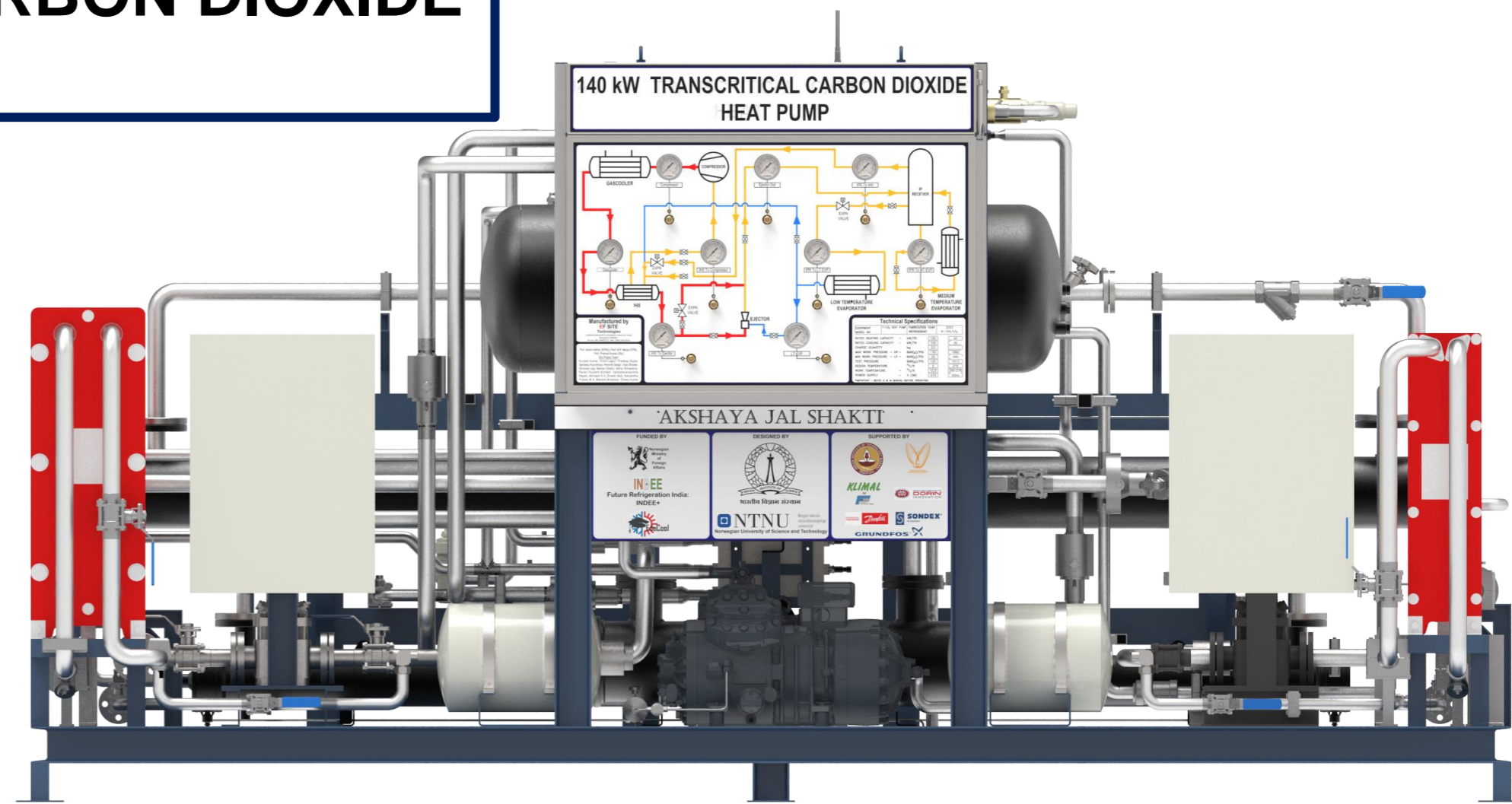
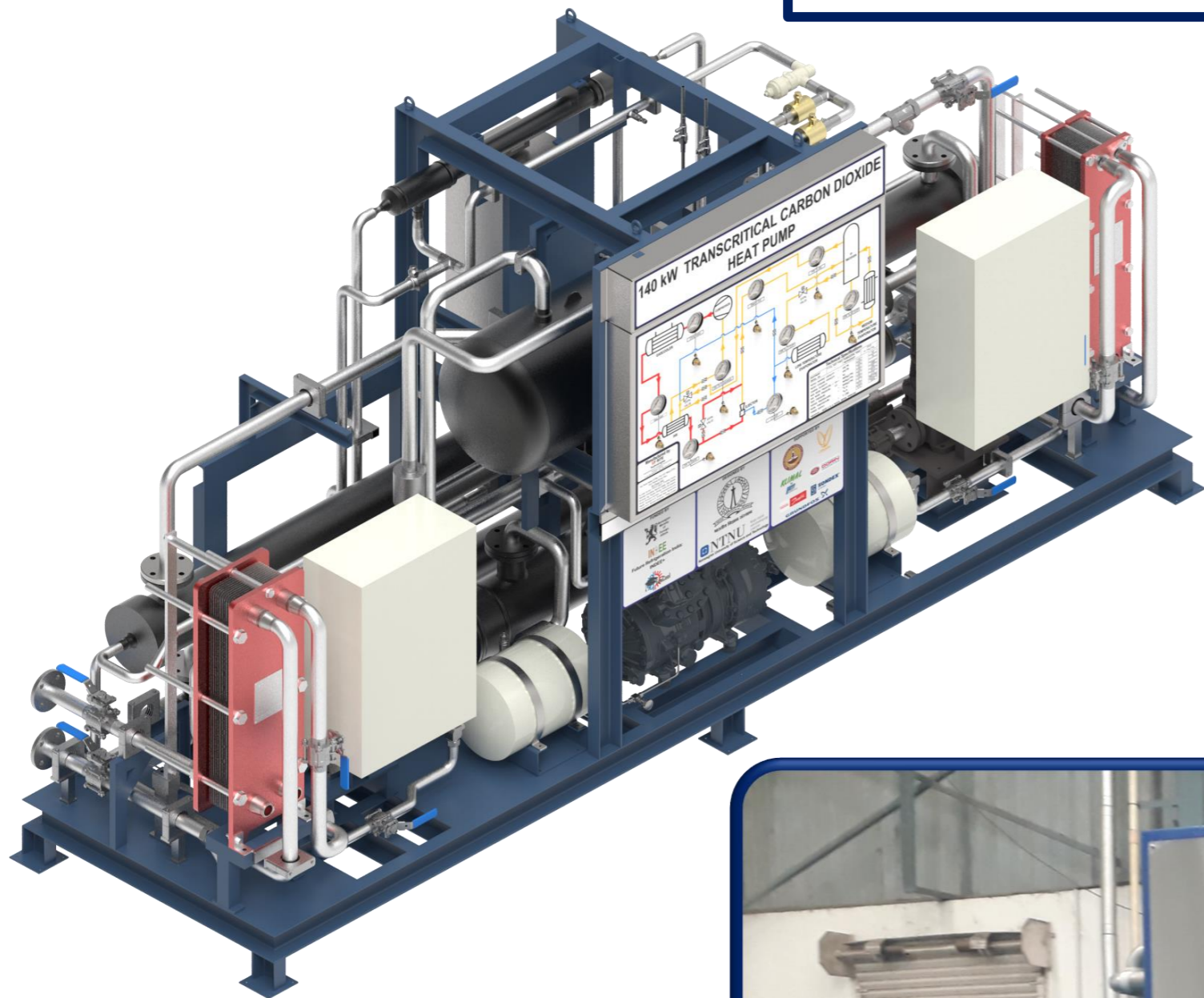







## Hot Water Heat Pump for the Akshaya Patra Foundation



- The Akshaya Patra Foundation is a charitable organization headquartered in Bengaluru, India.
- Their primary mission is to eliminate hunger in classrooms through the implementation of the PM POSHAN (Mid-Day Meal) Programme.
- The Foundation provides nutritious meals to children attending government and government-aided schools.
- In addition to addressing hunger, they are committed to combating malnutrition and supporting the right to education for children from financially underprivileged family.
- **INDEE+ team is introducing R744-based heat pump for generating hot water in kitchen which is currently done by expensive oil-fueled boiler.**
- This technology not only generates hot water for cooking but also provides chilled water for space cooling, including air-conditioning.

### 140 kW TRANSCRITICAL CARBON DIOXIDE HEAT PUMP



<p><b>FUNDED BY</b></p>  <p>Norwegian Ministry of Foreign Affairs</p> <p><b>INDEE</b> Future Refrigeration India: INDEE+</p> 	<p><b>DESIGNED BY</b></p>  <p>भारतीय विज्ञान संस्थान</p> <p><b>NTNU</b> Norges teknisk-naturvitenskapelige universitet Norwegian University of Science and Technology</p>	<p><b>SUPPORTED BY</b></p>   <p><b>KLIMAL</b> by M&amp;C S.p.A.</p> <p><b>DORIN INNOVATION</b> OFFICINE MARIO DORIN SINCE 1918</p> <p><b>SONDEX</b> by Danfoss</p> <p><b>GRUNDFOS</b></p>	<p><b>Manufactured by</b> <b>EF SITE Technologies</b></p> <p>KANNAMANGALA(P), Whitefield-Hosakote Road Bangalore-560067. Ph.No:080-28453231, Fax: 080-28453933</p> <p>Prof. Armin Hafner (NTNU), Prof. M.P. Maiya (IITM), Prof. Pramod Kumar (IISc) IISc Project Team</p> <p>Kundan Kumar, Vinod Laguri, Pradeep Gupta, Heramb Gadgil, Vijay Biradar, Shreyas Jog, Naman Kumar Shetty, Adhip Srivastava, Pavan Puneeth Kondeti, Venkatanarasimha Hegde, Abhilash K A, Dinesh Naik, Narasimha Prasad M S, Mahesh Mrijankar, Dileep Kumar</p>
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