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A new advanced facility for applications of laser-driven accelerators

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The Central Laser Facility at the STFC Rutherford Appleton Laboratory in the UK is now building a new laser application centre. This £81.2 M facility will use STFC's patented diode-pumped laser technology (DiPOLE) to drive plasma accelerators, producing novel particle and x-ray beams for imaging critical industrial components and biomedical systems. This application centre will build a unique innovation ecosystem with academia, industry and security communities. I will discuss the concept and design specifications of this new centre.

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