

# TMT Thirty Meter Telescope

Astronomy's Next-Generation Observatory  
A Great New Opportunity for Canada's People

- Canada is poised to become a vital partner in building and operating the TMT – the Thirty Meter Telescope - far larger and more powerful than any telescope in existence. The project is scheduled to begin construction in 2014 and to be in full operation in 2022.
- Canada's contribution of \$300M over 9 years will be key to maintaining Canadian leadership in the field of Astronomy & Astrophysics, main gateway for stimulating interest in science and technology by all people, especially for the very young.
- The TMT offers Canada an opportunity to enter a new Asia-Pacific partnership in astronomy, with potential for enhancing cultural and economic ties with our important emerging trading partners.



TMT

Previous investments by Canada in astronomy with major contributions by Canadian industry:

Enclosure for the 8.1 m Gemini Telescope, 1993



CFHT Telescope, 3.6 m, 1979

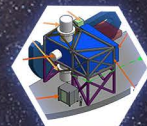


Plaskett Telescope, 1.8 m, 1918



Canadarm – the Canadian-built Shuttle Remote Manipulator System

Narrow-Field Infrared Adaptive Optics System (NFIRAOS)



Past projects in design and construction of steel structures by Canadian industry resulting directly from previous investments in astronomy:



Rendering of the 200-foot wide, 22-storey tall enclosure for the TMT to be built by Canadian industry

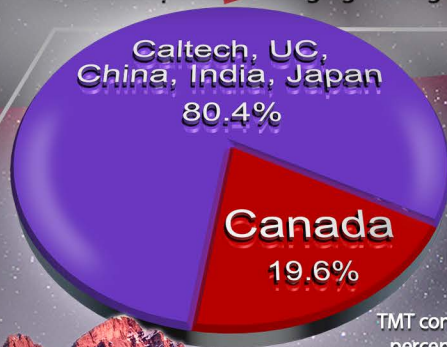


"With a history that reaches back over a century, Canadian astronomy has arisen to become one of the country's research success stories."

– Astronomy in Canada, Hickling, Arthurs and Low (HAL report 2011)

"The fields of Clinical Medicine, Information Communications Technology, Physics and Astronomy are among the largest research enterprises in the country in terms of output of scientific papers."

– The State of Science and Technology in Canada, Council of Canadian Academies (2012)



TMT contributions percentages by participating partners