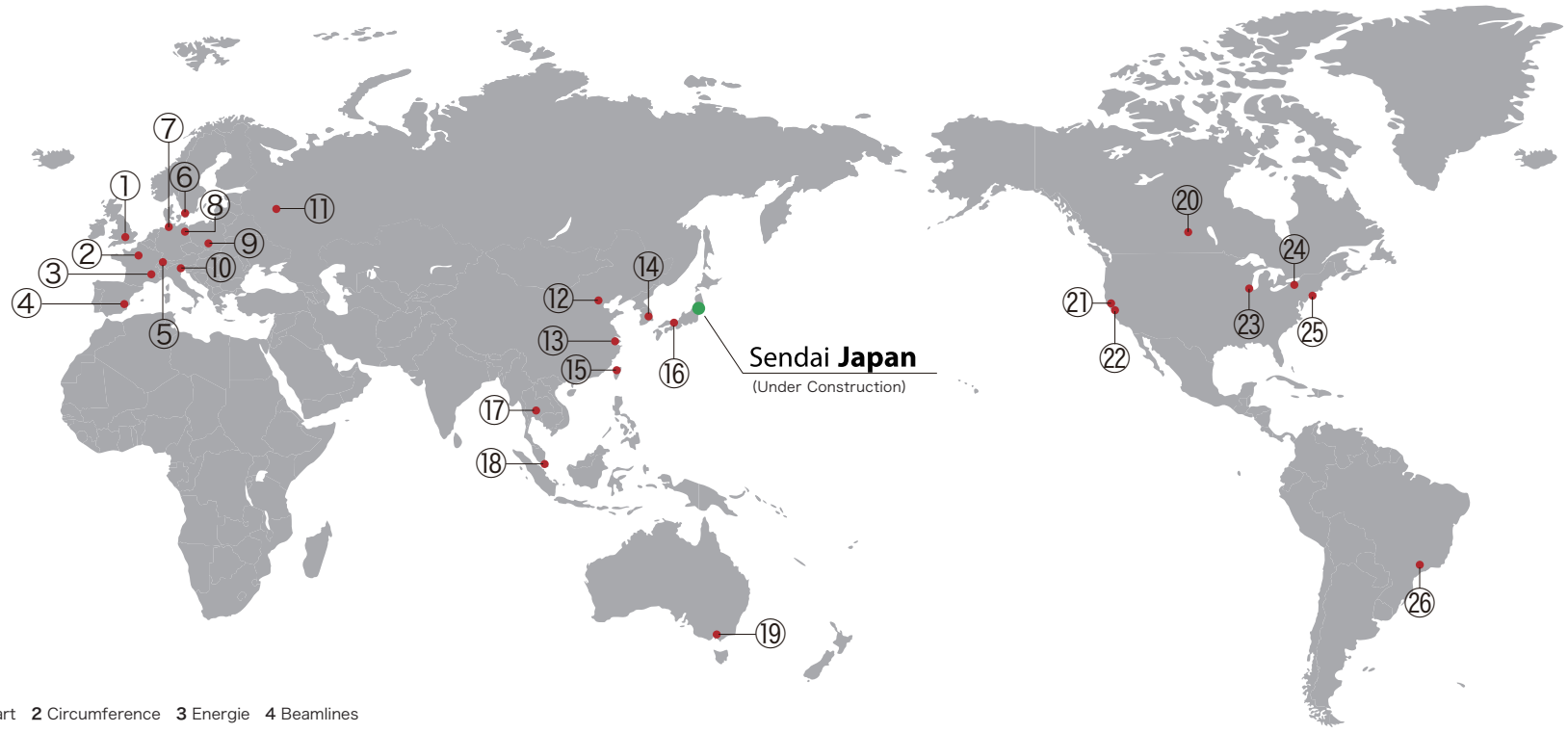
Synchrotron Facilities in the world



1 Operation start **2** Circumference **3** Energie **4** Beamlines

Diamond Light Source 2020

1 England
Diamond Light Source(DLS)
Didcot

1 2007 3 3GeV
2 562m 4 33

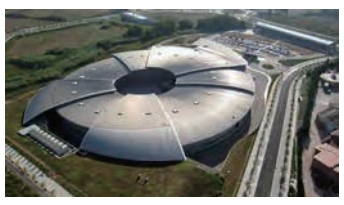
2 France
SOLEIL Synchrotron
Saint-Aubin

1 2006 3 2.75GeV
2 354m 4 29

Ⓒ SRF/J.Chavy

3 France
European Synchrotron Radiation Facility(ESRF)
Grenoble

1 1994 3 6GeV
2 844m 4 44



4 Spain
ALBA Synchrotron Light Source
Sardanola del Valles

1 2012 3 3GeV
2 269m 4 8 operating, 4 in in construction

5 Switzerland
Swiss Light Source(SLS)
Villigen

1 2001 3 2.4GeV
2 288m 4 17

6 Sweden
MAX IV Laboratory
Lund

1 2016 3 1.5GeV/3GeV
2 96m/528m 4 16

Ⓒ DESY 2020

7 Germany
Deutsches Elektronen-Synchrotron (DESY)
Hamburg

1 PETRAIII 2010 FLASH 2005 3 6GeV/1.25GeV
2 2.3km/260m 4 22(25plannd)/7

Ⓒ HZB/Dirk Laubner

8 Germany
Berlin Electron Storage Ring for Synchrotron Radiation II (BESSY II) Berlin

1 1998 3 1.72GeV
2 240m 4 47

9 Poland
SOLARIS Synchrotron
Krakow

1 2016 3 1.5GeV
2 96m 4 14 (plannd)

Ⓒ Elettra, photo by Massimo Goina

10 Italy
Elettra Sincrotrone Trieste (ELETTRA)
Trieste

1 1994 3 2.0-2.4GeV
2 260m 4 28

11 Russia
Kuruchatov Synchrotron Radiation Source(KSRS)
Moscow

1 1999 3 2.5GeV
2 124m 4 19 (24plannd)

12 China
Beijing Synchrotron Radiation Facility (BSRF)
Beijing

1 1991 3 2.5GeV
2 241.53m 4 14

13 China
Shanghai Synchrotron Radiation Facility (SSRF)
Shanghai

1 2009 3 3.5GeV
2 432m 4 15 in operation +16 under construction

14 Korea
Pohang Accelerator Laboratory (PLS)
Pohang

1 2012(PLS-II) 3 3GeV
2 282m 4 35

15 Taiwan
National Synchrotron Radiation Research Center (NSRRC) Hsinchu

1 1994 (TLS) 2016 (TPS) 3 1.5GeV/3GeV
2 120m/518m 4 25/10 (25plannd)

Ⓒ RIKEN

16 Japan
SPring-8
Harima・Hyogo

1 1997 3 8GeV
2 1,436m 4 62

17 Thailand
Siam Photon Source (SPS)
Nakhon Ratchasima

1 1996 3 1.2GeV
2 81.3m 4 10

18 Singapore
Singapore Synchrotron Light Source (SSLS)
Singapore

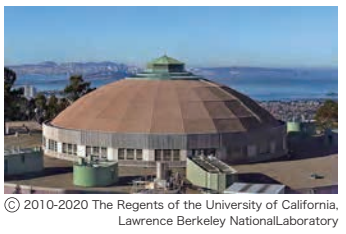
1 2000 3 0.7GeV
2 10.8m 4 8

19 Australia
Australian Synchrotron
Clayton

1 2007 3 3GeV
2 216m 4 10

20 Canada
Canadian Light Source (CLS)
Saskatoon

1 2004 3 2.9GeV
2 171m 4 22



Ⓒ 2010-2020 The Regents of the University of California, Lawrence Berkeley NationalLaboratory

21 USA
Advanced Light Source (ALS)
Berkeley, California

1 1993 3 1.9GeV
2 197m 4 40

Ⓒ SLAC National Accelerator Laboratory

22 USA
Stanford Synchrotron Radiation Lightsource (SSRL)
Menlo Park, California

1 1972 3 3GeV
2 234m 4 33

Ⓒ Argonne National Laboratory

23 USA
Advanced Photon Source (APS)
Lemont, Illinois

1 1996 3 7GeV
2 1104m 4 68

Ⓒ Cornell University

24 USA
Cornell High Energy Synchrotron Source (CHESS)
Ithaca, New York

1 1980 3 6GeV
2 768m 4 7

25 USA
National Synchrotron Light Source II (NSLS-11)
Upton, New York

1 2015 3 3GeV
2 792m 4 28 (60plannd)

26 Brazil
Laborat6rio Nacional de Luz Sincrotron (LNLS)
Campinas

1 1997 (UVX) 2020 (Sirius) 3 1.37GeV/3GeV
2 93m/518.4m 4 20/40

27 Japan
Next Generation Synchrotron Radiation Facility (name undecided)
Sendai・Miyagi

1 2023 3 3GeV
2 348.8m 4 28(under construction)

References : ENCYCLOPEDIA OF the Stnchrotron Radiation Facilities