

Table: List of key CCS facilities in China (Global CCS Institute CO₂RE Database)

	Name	Location	Scale	Year	Capacity (tpa)	Industry	Storage
1	Yanchang Integrated CCS Demonstration (In Construction)	Shaanxi Province	Large-scale facility <i>Includes:</i>	2020	410,000	Chemical production	Enhanced oil recovery
			Demonstration facility	2012	50,000		
2	Sinopec Qilu Petrochemical CCS (In Construction)	Shandong Province	Large-scale facility <i>Includes:</i>	2019	400,000	Chemical production	Enhanced oil recovery
3	Sinopec Shengli Power Plant CCS (Advanced Development)	Shandong Province	Large-scale facility <i>Includes:</i>	2020s	1,000,000	Power Generation	Enhanced oil recovery
			Demonstration facility	2010	40,000		
4	Sinopec Eastern China CCS (Early Development)	Jiangsu Province	Large-scale facility <i>Includes:</i>	2020	500,000	Chemical production	Enhanced oil recovery
			Demonstration facility	2015	50,000		
5	Huaneng GreenGen IGCC (Early Development)	Binhai New Area, Tianjin	Large-scale facility <i>Includes:</i>	2020s	2,000,000	Power generation	Enhanced oil recovery
			Demonstration facility	2016	100,000		
6	China Resources Power (Haifeng) Integrated CCS Demonstration (Early Development)	Shanwei, Guangdong Province	Large-scale facility <i>Includes:</i>	2020s	1,000,000	Power Generation	Dedicated Geological Storage
			Capture Test Platform	2018	25,000		
7	Shanxi International Energy Group CCUS (Early Development)	Shanxi Province	Large-scale facility	2020s	2,000,000	Power Generation	Under Evaluation
8	Shenhua Ningxia CTL (Early Development)	Ningxia Province	Large-scale facility	2020s	2,000,000	Coal-to-liquids	Under Evaluation
9	Daqing Oil Field EOR Demonstration	Heilongjiang Province	Demonstration-Scale Facility	2003	200,000	Natural gas processing, etc	Enhanced oil recovery
10	Jilin Oil Field EOR Demonstration	Jilin Province	Demonstration-Scale Facility	2006	350,000	Natural gas processing	Enhanced oil recovery
11	Shenhua Group Ordos CCS Demonstration	Ordos, Inner Mongolia Province	Demonstration-Scale Facility	2011-2014	100,000	Coal-to-liquids	Dedicated geological Storage

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12	Karamay Dunhua Oil Technology CCUS EOR	Karamay, Xinjiang Province	Demonstration-Scale Facility	2015	100,000	Chemical production	Enhanced oil recovery
13	Sinopec Zhongyuan CCUS Pilot	Henan Province	Demonstration-Scale Facility	2015	120,000	Petrochemical production	Enhanced oil recovery
14	PetroChina Changqing Oil Field EOR CCUS	Shaanxi Province	Demonstration-Scale Facility	2017	50,000	Coal-to-liquids	Enhanced oil recovery
15	Guohua Jinjie CCS Full Chain Demonstration	Shaanxi Province	Demonstration-Scale Facility	2019	150,000	Power generation	Dedicated geological Storage
16	Huaneng Gaobeidian Power Plant Carbon Capture Pilot Project	Beijing	CO ₂ Utilisation Plant	2008	3,000	Power generation	Beverage industry
17	Shanghai Shidongkou 2nd Power Plant Carbon Capture Demonstration	Shanghai	CO ₂ Utilisation Plant	2009	120,000	Power generation	Beverage industry
18	Chongqing Hechuan Shuanghuai Power Plant CO₂ Capture Industrial	Chongqing, Sichuan Province	CO ₂ Utilisation Plant	2010	10,000	Power generation	Industrial use