

## Siemens Official Footage Q4FQ20

<b>Timecode</b>	<b>Description</b>
<b>Siemens location Munich Headquarter</b>	
00:00-00:50	Siemens HQ in Munich, Germany
<b>Smart Infrastructure</b>	
00:51-02:28	SI HQ
02:29-03:23	Smart Buildings
03:24-03:53	Smart Grid
03:54-04:51	Grid Edge
<b>Digital Industry</b>	
04:52-05:12	Industry 4.0
05:13-06:38	Electronics Works Amberg , Siemens Industry Automation SIMATIC-controllers / Manufacture of raw car bodies BMW plant in Munich (Germany)
<b>Siemens Mobility</b>	
06:39-06:57	Velaro D High-speed train
06:58-07:07	Manufacture of the "Velaro D" high speed train at the Krefeld plant (Germany)
07:08-07:24	Thameslink train (United Kingdom)
07:25-07:39	Rhine-Ruhr express (RRX) trains (Germany)
07:40-07:56	Smart parking management system
07:57-08:06	Traffic control center Berlin (Germany)
08:07-08:17	Driverless metro, Paris (France)
08:18-08:25	ENUBA 2 - Electromobility in heavy commercial vehicles
<b>Siemens Healthineers</b>	
08:26-08:43	Production Artis Pheno
08:44-09:02	MRT examination
09:03-09:18	Production CT
09:19-10:07	Atellica Solution
10:08-11:20	Cinematic rendering
<b>Siemens Energy</b>	
11:21-11:29	Start image SE panel
11:29-11:40	Mega project Egypt – outside shots power plant, drone flight, workers, steam turbine
11:40-11:48	Manufacturing of steam turbines (Görlitz)
11:48-11:59	Manufacturing of large gas turbines (Berlin, final assembly – outer casing)
11:59-12:19	Manufacturing of large gas turbines (Berlin, SGT-4000F machining process on blade grinding machine, rotating rotors, rotor stacks)
12:19-12:27	Manufacturing of small gas turbines (Lincoln)
12:27-12:35	SGT-8000H burner replacement – power plant project Lausward (Service)
12:35-12:43	Div. inspections, repairs on large components (Service)
12:43-13:03	High-tech refurbishment of gas turbine blades and vanes – employees, digital processing steps, laser technology (Gas Turbine Blades and Vanes Competence Center Berlin)

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13:03-13:17	Additive Manufacturing – Selective Laser Melting (SLM), 3D model prototype development, 3D printer programming, start printing process, 3D printed components, series production
13:17-13:31	Reference project Wunsiedel – sustainable, regional energy supply, storage/utilization of the full potential of sun, wind and biomass (additional pictures of the storage facility)
13:31-14:32	GAMESA Renewables – onshore, offshore, turbine installation scenes, sea impressions, maintenance
14:32-14:40	LNG – new concepts for low-emission production of liquefied natural gas (LNG)
14:40-14:58	Industrial Applications – impressions of various oil rigs, control room
14:58-15:36	Transmission – switchgear, power transmission power station, various pictures from production, high-voltage switchgear including power transformers + substation
15:36-15:53	Power plant/industrial outdoor shots, starting with power transmission, ending embedded in landscape/infrastructure