

ID nr	Equipment	(incomplete 29/5/2020)	Location
	PMT/AT groups	Model ID	
<b>HEATING/COOLING</b>			
	Muffelovn; ThermConcept	KLS 20/12 18 L	Lab 1
	Drying oven;	Termaks	Lab 1
	Autoclave; TOMY	SS325	Lab 4
	Cooling incubator; VWR	IKA 4000 ic control	Lab 4
	Cooling system	IKA RCZ basic	Lab 3
	Freezer; microbiological samples; ThermoScientific	ULT-86°C	Lab 4
	Freezer; Liebherr	ProfiLine -14°C	Lab 4
	Freeze-drier; Labconco	Freezone <sup>1</sup>	Lab 4
	Chest freezer, 400 L, -5 C to -45 C	TEFCOLD SE-45	Office
	Refrigerator		Lab 1
	Climate chamber -40 C to + 150 C; Vötsch	VCL 4010	Lab 2
	Temperature control bath; Julabo	Julebo ED	Lab 1
<b>SEPARATION/MIXING</b>			
	Centrifuge; Hettich	Rotina 380R	Lab 4
	Reverse Osmosis		Lab 1
	Shaker table - large;		Cold Lab
	Vortex mixer		Lab 4
	Magnetic stirring plate		Lab 4
	Agitator; Werke	IKA RW16	Lab 1
	Ultrasound bath- Large	Sonica 60L EP	Lab 1 ?
	Ultrasound bath-small	VWR	Lab 4
<b>REACTORS</b>			
	Thermoblock reactor; Spectroquant	TR420	Lab 1
	High temperature/pressure reactor	Parr 4575	Lab 1
	HTHP temperature controller	Parr 4848	Lab 1
	Bomb Calorimeter	Parr 6020	Lab 1
	Pipe Oven	Entech	Lab 2
	Electrochemical etching reactor		Lab 1
	Solid State Fermentation reactors	Bokashi 200l & 10 l	Env Lab
	Biogas reactors		Env Lab
<b>MEASUREMENT INSTRUMENTS</b>			
	Scanning Electron Microscope (SEM) with EDS Oxford Inca x-sight 7636	Zeiss Evo 60	UiT/Narvik
	Spectrophotometer; Perkin Elmer	Lambda 35	Lab 4
	UV/Vis Spectrophotometer; Perkin Elmer	Lambda 950	Lab 3
	Portable Spectrometer		Lab 3?
	Inductive Coupled Plasma Mass Spectrometer (ICP-MS) Agilent	7700 Series	Lab 2
	Gas Chromatograph - Mass Spectrometry (GC-MS); Perkin Elmer	Clarus 500	Lab 1
	Fourier Transform Infra Red Spectrometer (FTIR)	Vertex 70	Lab 3
	Infrared camera	FLIR	LGH office
	UV fluorescence meter; Turner Design	TD500D	Lab 1
	Tensiometer; Kibron	EZ-pi plus	Lab 4
	pH/redox/conductivity meter		Lab 4
	pH meter		Lab 4
	pH/conductivity meter	WTW 340i	Lab 1
	Weighing Scales		Lab 1 & 4
	Titration		Lab 4
	Auto-Titrator; Metrohm	716 DMS	Lab 1
	Auto-Titrator; Schott	TitroLine easy	Lab 1
	Drager tube pump (for short term Drager tube measure gases)	Drager	Lab 1
	Under water camera	?	?
	Gas detector (LEL Pentane, methane; CH4 0-5 %; O2; CO, H2S, SO2, NO2 )	Ventis MX4	Lab 2
	Hach Pocket colorimeter (Fluoride measurement)	II	Lab 1

<b>PHOTOVOLTAIC-RELATED</b>			
Laminating machine	<b>PVLAMO.25</b>	Lab 2	
Spin coater; Speciality Coating Systems	<b>6800</b>	Lab 2	
Reverse (Dark) IV setup		Lab 3	
Quantum efficiency (spectral response)		Lab 3	
Ellipsometer	<b>WVASE32</b>	Lab 3	
1 small optical USB microscopes		Lab 3	
Profilometer;	<b>Veeco NT9080</b>	Lab 3	
Sinton Life Time and Suns VoC	<b>WCT-100</b>	Lab 3	
Correscan		Lab 3	
Solatron Si1287 interface with CORRware software		Lab 3	
4 point probe; Jandel	<b>RM3-AR</b>	Lab 3	
Strength testing of solar cells; Zwick Roell	<b>BT1-FR2.5TH.D14</b>	Lab 3?	
Sheet resistance; Advanced Instrument Technology	<b>SR 2000N-PV</b>	Lab 3 ?	
Delolux control (Light intensity meter for curing lamps)	<b>DELO</b>	Lab 2	
<b>UTILITIES</b>			
Washing machine for glassware	<b>G7883 Miele Labor</b>	Lab 4	
Deionised water system; Christ Aqua- <1 M ohm cm.		Lab 2	
DC Power Supply; Delta Elektronika	<b>SM100-AR-75</b>	Lab 1	
Fume extract cupboards (4)		Lab 1 & 2	
Chemical storage cupboards (4)		Lab 1 & 2	
<b>MISCELLANEOUS</b>			
Manual soldering irons, soldering flux, ribbons		?	
Grinding mill; Retsch	<b>ZM100</b>	Env Lab	
Additive Manufacturing/3D Printer;	<b>Ultimeter<sup>3</sup></b>	Lab 2	
Peristaltic pump (Single channel, 0.83-413 ml/min)	<b>Heidolph 5001</b>	Lab 4	
Peristaltic pump (Single channel, 100-6000 ml/min)	<b>Baoding Longer WT600-4F</b>	?	
Data logger	<b>HIOKI 8422.51</b>	Cold lab	
<b>Materials Technology group</b>			
Materials Test System with 647 Hydraulic Wedge Grip			
Mixer Kenwood major			
Saw			
Concrete Mixer Skako 1C-11 (50%)			
Concrete Resistivity meter Model U95			
<b>Arctic Technology group</b>			
Kovacs ice coring system	<b>Kovacs Mark II</b>		
Mainca cutting table	<b>Mainca?</b>	Cold Lab	
View box/Light box (A3 size)	<b>DW QUG/A3-SL</b>	Cold Lab	
<b>Railway Technology group</b>			
Tribometer for measuring rail friction			