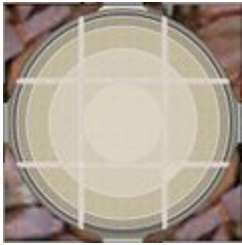


Settlement facilities

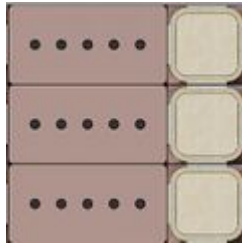
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Settlement facilities divide into buildings and infrastructure. If you want to create a settlement you will need some combination of these elements. Settlement systems are used in the facilities to accomplish their function. Facilities are used either for production or services.

Buildings/modules



Assembly facilities



Housing facilities ,
hospitality and offices



Habitat nodes



Habitat corridors



Greenhouses and
agricultural facilities



Production and
maintenance facilities



Health care facilities



Research facilities

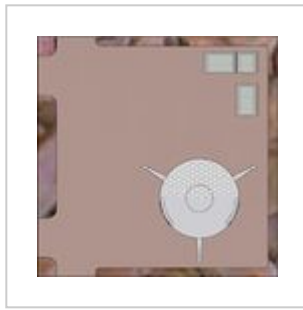


Vehicle maintenance

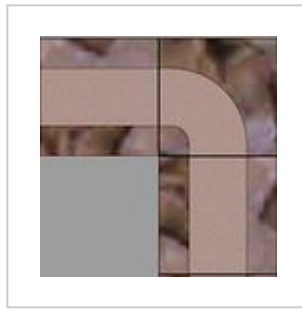
Infrastructure



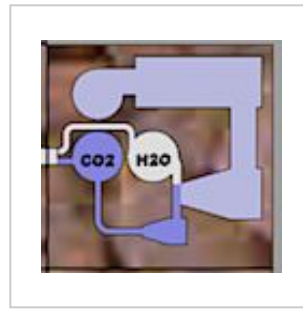
Spaceports



Lay down and storage areas



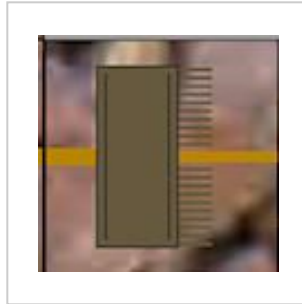
Roads



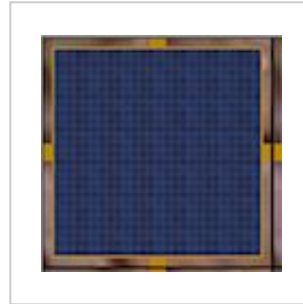
Atmospheric processing units

Gas storage,
N₂,CH₄,O₂

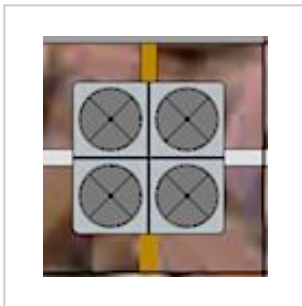
Water storage tanks



Power stations



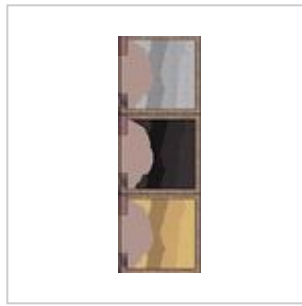
Solar cells



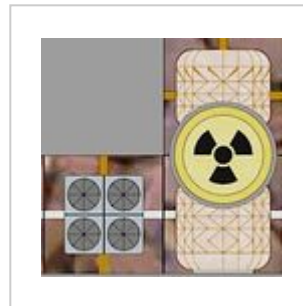
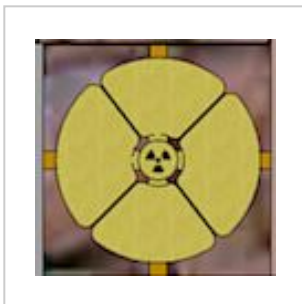
Cooling units



Mining areas



Mineral storage areas

Nuclear reactors with
external cooling

Self contained reactors

Detailed list form

The Omniclass (<http://www.omniclass.org/>) system table 11 provides a listing of construction entities by function. This list covers all the possible facilities than can be required to make up a settlement, colony or outpost. The list below is simplified for Mars probable usage.

Assembly Facility	Convention hall Meetings Entertainment	
Education Facility	Daycare Scool Higher education	
Public Services Facility	Governement Administration Courthouse Legislative house Public health and safety Police station Detention center Military Public welfare	
Cultural Facility	Monuments Religious institutions Museums	
Recreation Facility	team sports Athletic facilities	
Housing Facility	Residences Dormitories Spacial care Senior housing	
Retail Facility	Showrooms Stores Markets Mixed use	
Health Care Facility	Hospitals Mobile health units Residential health care	

	Death facility	
Hospitality Facility	Dining Tavern/club	
Lodging Facility	Hotel	
Office Facility	Headquarters Multi tenant offices Flex space Logistics	
Research Facility	Physical Engineering Life sciences Social research R and D Testing facilities	
Production Facility	Manufacturing Agricultural Mineral extraction Craft production Entertainment production	
Storage Facility	Dry storage Salvage Warehouse Cold storage Gas plant and storage Bulk fluids Cargo Customs facility	
Water Infrastructure Facility	Water storage Water distribution Water treatment Fire protection water	
Energy Infrastructure Facility	Nuclear power electrical plant	

	Wind power electrical plant Solar powered electrical plant Emergency/stand-by power Energy storage Energy distribution Heat and refrigeration facility	
Waste Infrastructure Facility	Waste holding Waste processing Sewage treatment Industrial waste	
Information Infrastructure Facility	Data center Telecommunication center	
Transportation infrastructure facility	Aerospace terminal-Spaceport Rail terminal Vehicle parking Vehicle maintenance Roadway Railway Traffic control Tunnel	
Land	Public land State land Private land Wilderness Industrial site	

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