Building # ParticleSystem m_smokeEffect # sf::Texture m_smokeTexture # sf::Vector2f m_position # std::string m_name # sf::Texture m_buildingTexture # sf::Sprite m_buildingSprite # sf::CircleShape m_placementRadius # sf::RectangleShape m_healthBar # sf::RectangleShape m_healthBarBackground # int m_health # int m_maxHealth # int m_cost # BuildingType m_type # bool m_placementRadiusVisible + Building(BuildingType m_type) + virtual ~Building() + virtual void update(sf::Time t_deltaTime) + virtual void render(sf::RenderWindow &m_window) + void takeDamage(float m_damageAmount) + void setPosition(const sf::Vector2f &m_position) + sf::Vector2f getPosition() + int getCost() const + float getHealth() const + BuildingType getType() const + bool checkAffordability() + void setPlacementRadiusSize(float m_radius) + void setHealth(float newHealth) + const sf::Sprite & getBuildingSprite() const + const sf::Texture & getBuildingTexture() const + const sf::CircleShape & getPlacementRadius() const + void updateHealthBar() # void initSmokeEffect() # void spawnSmokeEffect() Headquarters + Headquarters() + ~Headquarters() + void update(sf::Time t_deltaTime) override

+ void render(sf::RenderWindow &m_window) override

Refinery

+ void render(sf::RenderWindow &m_window) override

+ void update(sf::Time t_deltaTime) override

+ Refinery()

+ ~Refinery()

WarFactory

+ void render(sf::RenderWindow &m_window) override

+ void update(sf::Time t_deltaTime) override

+ WarFactory()

+ ~WarFactory()

AirCraft

+ void render(sf::RenderWindow &m_window) override

+ void update(sf::Time t_deltaTime) override

+ AirCraft()

+ ~AirCraft()

Barracks

+ void render(sf::RenderWindow &m_window) override

+ void update(sf::Time t_deltaTime) override

+ Barracks()

+ ~Barracks()