

```
std::list< BDSAcceleratorComponent * >
```

```
- elements
```

```
itsBeamline
```



```
BDSComponentFactory
```

```
- verbose  
- _charge  
- _momentum  
- _brho  
- _bpRad  
- _FeRad  
- _bField  
- _bPrime  
- _bDoublePrime  
- _bTriplePrime  
- _synch_factor  
- _driftLength  
- _driftName  
- _driftStartAper  
- _driftEndAper  
- _elementIter  
- _previousElementIter  
- _nextElementIter  
- itsBeamline  
- _element  
- _previousElement  
- _nextElement
```

```
+ BDSComponentFactory()  
+ ~BDSComponentFactory()  
+ createComponent()  
+ createComponent()  
+ createComponent()  
- createSampler()  
- createCSampler()  
- createDump()  
- createDrift()  
- createPCLDrift()  
- createRF()  
- createSBend()  
- createRBend()  
- createHKick()  
- createVKick()  
- createQuad()  
- createSextupole()  
- createOctupole()  
- createMultipole()  
- createElement()  
- createSolenoid()  
- createECol()  
- createRCol()  
- createMuSpoiler()  
- createLaser()  
- createTransform3D()
```